Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 150 No. 8 — Schnell Publishing Company, Inc., Publishers — August 19, 1946

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Oil, Paint and Drug Reporter

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Petroleum Order Clarified by OPA

Natural gas and petroleum gas are considered as among those petroleum products exempt from price ceilings under the new price control act, the Office of Price Administration announced August 15.

Natural gas is defined as any gas produced from a gas well not associated with crude petroleum at time of production. Petroleum gas is any refinery gas or vapor produced in conjunction with crude petroleum.

The new act prohibits OPA price controls on petroleum as well as on petroleum products processed or manufactured in whole or substantial part from petroleum.

In addition to the statement that natural and petroleum gas come within the group of petroleum products exempt from price control, OPA ruled that, to qualify under the exemption, a manufactured or processed petroleum product must be generally manufactured or processed by petroleum refiners.

Under this interpretation, products such as gasoline, kerosene, naphthas, fuel oils, greases, petroleum coke, lubricating oils, asphalt and road oil (manufactured from petroleum), are exempt from price control.

On the other hand, products which are manufactured from petroleum generally by other than petroleum refiners are not exempt from price control. Such products would include synthetic butyl alcohol, synthetic industrial alcohol and others generally regarded as in the chemical field.

This interpretation does not revoke any previous actions specifically decontrolling commodities. For instance, ordinary grades of channel black, which are derived from petroleum, and considered as in the chemical field, already have been exempt from price control.

Petroleum and petroleum products were exempted indefinitely under the new act. However, these commodities may be recontrolled by the Price Decontrol Board but only if the board finds that prices have risen unreasonably, the products are in short supply, price regulation is practicable and enforceable, and the public interest will be served by regulation.

CCC Gets Philippine Copra, Coconut Oil

OPD Washington Bureau

Under the terms of the Copra Purchase Agreement signed in Manila, the Philippine Government has agreed to sell the entire exportable surplus of copra and coconut oil to the Commodity Credit Corporation or its designee for one year beginning July 1, 1946, the Department of Agriculture announces.

The price of copra will be $103.50 per long ton, f.o.b. ocean carrier. The price of coconut oil will be 7⅛ cents per pound f.o.b. Philippine ports. This will allow importation of copra and coconut oil within the existing price ceilings set by OPA.

In addition, the department said, the Philippine Government has agreed not to place any restrictions upon the production or exportation of copra to the United States. All purchases for foreign claimants will be handled by the United States, and the Philippine Government will issue export licenses only to the United States or its designees.

Purchases for foreign claimants with the International Emergency Food Council allocations will be made by the Fats and Oils Branch of the Production and Marketing Administration through normal commercial channels. All copra imported for use in the United States will be purchased by private importers, with control through import licenses.

Shipments of copra and coconut oil in terms of copra have risen steadily since January, reaching a high of about 60,000 tons in July, almost equal to prewar tonnages.

U.S.-Bolivian Tin Pact Drafted

The United States Government and Bolivian mine owners have drafted a tin purchase contract at a basic rate of 62½c. per pound. Under the terms of the agreement the United States will receive approximately 18,000 tons of tin this year. Under last year's contract the United States received approximately 26,000 tons of tin concentrates.

Distribution Council Formed by Wallace

OPD Washington Bureau

Creation of the National Distribution Council has been formed by Secretary of Commerce, Henry A. Wallace, for the primary purpose of helping American industry improve its distribution capacity and efficiency.

The work of the council, which is a voluntary group, will be coordinated with that of government by Under Secretary of Commerce, Alfred Schindler, himself a sales executive of many years' experience.

In announcing the council, Mr. Wallace said:—

The function of the council will be to stimulate American business to utilize every practical means whereby America's ability to distribute and consume the products of its farms, waters, mines and factories can keep abreast of America's enormously increased capacity to produce.

We must look forward to the not too distant day when the present seller's market becomes a buyer's market. If we are not prepared to meet that day it can easily become the Nation's number one problem. It is my sincere hope that the National Distribution Council, which represents a voluntary, joint effort on the part of business and government, will contribute greatly to implementing the kind of sales, advertising and other programs which will keep consumption in balance with our increased production.

McNamara Leaves APC

Francis J. McNamara has resigned as deputy Alien Property Custodian effective August 15, and will return to private law practice.

Trade Associations Studying Lobby Act Provisions

Rights of trade associations and individuals to confer with members of Congress or its committees on legislation in which they have an interest may have been seriously curtailed by the congressional reorganization act passed by Congress during the closing days of the session early this month, it is disclosed.

The new law (public law 601) is found to contain provisions, cited in the law as the Federal regulation of lobbying act, requiring the registration as lobbyists and public disclosure of all financial transactions of any persons seeking to influence the passage or defeat of any legislation pending in either the house or the senate.

The law is most ambiguous and in some of its provisions it contains typographical errors shedding doubts on its intent, with the result that no one appears to be in agreement upon just how far-reaching it might prove to be. It has proved to be sufficiently important, however, to cause concern in trade association circles, including the drugs and chemicals fields, with the result that counsel is being urged to seek an interpretation of its intent and scope.

Enforcement of the act rests with the Department of Justice, but that agency thus far has refrained from giving any opinion on the law. Nor has any help been forthcoming from the Clerk of the House of Representatives, who is given the job of administering the act. The only suggestion coming from his office in response to inquiries is to the effect that if the person or association has any doubts in their minds as to whether the law applies to them, they should resolve these doubts by registering.

The breadth of the law is indicated by its definition of "person," which it states shall include "an individual, partnership, committee, association, corporation, and any other organization or group of persons." A number of trade associations have legislative committees within their organizations whose duties are to keep a check on congressional activities and see to it that the interest of their industry are presented when consideration is being given by Congress to a bill affecting their interests.

It would appear on its face that the new law requires the registration of the members of such committees with the clerk of the house if their activities consist of anything more than appearing before a congressional committee in support or opposition to a pending bill. Quite frequently, however, members of Congress themselves call upon these industry representatives for assistance either in drafting legislation or securing factual data in opposition to a bill, and the question immediately arises whether such an industry representative thereby becomes a lobbyist should he respond to the congressman's request.

Persons who are required to register under the act must give a detailed account of all contributions in excess of $500 received and expenditures made in excess of $10 and preserve all receipted bills for at least two years from the date of the filing of the statement containing such items. These statements must be filed between October 1 and October 10, next, and within the first ten days of every calendar quarter thereafter.

Penalties for violation of the act are $5,000 fine or one year imprisonment, or both.

Martin to Leave CPA Paint Branch Post

Wells Martin, chief of the Protective Coatings and Adhesives Branch of the Chemicals Division of the Civilian Production Administration tendered his resignation from the agency to take effect September 6. He plans to devote his time primarily to farming. He formerly was president of the Martin Varnish Company, Chicago.

Wells Martin

The Paint Producers Industry Advisory Committee, which was in session here this week with the Office of Price Administration, was host at a farewell party for Mr. Martin August 13 where he was presented with testimonials from the industry in recognition of his work on paint problems throughout the war.

Labor Relations

Mitchell H. Shipman and Paul E. Anderson

Instalment X

Fixing Rates for New Employees without Union Negotiation

Where an employer has a contract with the union as sole collective bargaining representative of his employees, can he hire new employees at any rate he chooses? Can he fix such rates unilaterally, or must he negotiate with the union? A recent decision by an arbitrator (Western Union Telegraph Company) focuses these questions.

In the Western Union case, the arbitrator in a long and erudite decision held for the company. He analyzes management's prerogatives and the obligations of an employer under the Wagner act to bargain on wage rates. He concludes that Western Union can fix any rates it chooses for new employees hired after the signing of the agreement, and that it was not bound to negotiate with the union the rates for such new employees.

Time Is Essential

The decision, unless fully understood, may be misleading. Certain limitations on the right of an employer to fix rates for newly hired employees without union negotiations must be recognized. One important factor is whether the individual bargaining precedes or antedates the union agreement itself. In the Western Union case, the union had been recognized and the agreement already consummated.

If the agreement sets forth job classification and minimum rates, these, of course, must control. The employer is bound by them to the extent that new employees' rates cannot be below the contract minimum. If the union agreement contains job classifications, this will likewise control, and a newly hired employee could not be classified arbitrarily as the employer chooses. The classification with its job duties and rate would have to be fully adhered to by the company for new employees just as for employees hired prior to the signing of the union agreement.

What the Western Union case boils down to basically is that "above-the-scale" rates, that is, rates above contract minimum, paid to new employees are exclusively within the employer's determination. If he wants

—Continued on page 44

Chemists Institute To Honor Evans

Dr. Ward V. Evans will receive the 1946 honorary scroll award of the American Institute of Chemists at a dinner meeting of the Chicago chapter to be held October 4.

Dr. Evans is being honored for his outstanding achievements in the field of chemistry as a teacher and as an industrial consultant. He retired from Northwestern University, where he was chairman of the chemistry department, in 1945.

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Paint Products Price Relief Asked

The Paint Producers Industry Advisory Committee has appealed to the OPA for decontrol of price ceilings on paint products. Appeal also was made at a two-day conference last week for immediate interim relief in accordance with the request filed by the industry last April.

Obituaries

Julius A. Berninghaus

Julius A. Berninghaus general manager of the organic chemicals division of the Monsanto Chemical Company, St. Louis, until his retirement in 1943, died August 15, from a

Julius A. Berninghaus

recurrence of a heart attack which first afflicted him some six months ago. He was sixty-eight years old.

Mr. Berninghaus was a native of St. Louis. He was educated in the public and polytechnic schools there and at the Benton College of Law. His business life began in 1893 as a clerk in the Mechanics American National Bank, St. Louis. He remained in banking until 1918, the last nine years as a vice-president of the Central National Bank. During the next seven years he was vice-president of the Indiahoma Refining Company. His connection with the Monsanto Chemical Company began May 1, 1926, as manager of sales in the acids and heavy chemicals department. Three years later he was made general manager of sales, and in 1939, when the business was set up along divisional lines, he became ranking sales executive of the organic chemicals division and senior sales executive of the company. He became general manager of the division July 19, 1942.

Mr. Berninghaus was variously active in civic affairs, also in organization circles in the wood preserving field. At one time he was vice-president of the Okmulgee Northern Railway Company. During the past three years he was principally interested in farming and fishing.

Mr. Berninghaus and Miss Mabel Benedict were married in 1903. Mrs. Berninghaus survives her husband, with their daughter, Mrs. John Ernest Russell, St. Louis, Mo.

John W. Wizeman

John W. ("Bill") Wizeman, chief of the Inorganics Branch of the Chemicals Division of the Civilian Production Administration, died suddenly at

John W. Wizeman

his home in Arlington, Va., August 15. He was fifty-two years of age.

Mr. Wizeman was widely known throughout the chemical industry,

—*Continued on page 43*

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals and related materials is currently as follows:—

Aug. 15, 1946	Aug. 8, 1946	Aug. 17, 1945
136.4	137.2	133.8

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price changes were numerous and widespread in the markets for chemicals, oils, and drugs last week. They indicated no definite trend in any new sector. Oils and fats and some metallic salts were moved upward again, but the net effect was a reduction of the general average. The most influential contribution was that of botanical drugs, with some assistance from the coaltar division.

Productive capacity was all taken up in most lines. Substantial requirements for export were being turned down in a number of sectors because customary domestic channels could not be filled. War-developed uses of some important raw and intermediate materials were handicapping production in lines to which these formerly went.

Late Market News

Quicksilver metal was strong in San Francisco and prices were advanced to $98 per flask. Little was offered and production in August has declined.

Linseed Replacement Oil Ceiling Raised

OPD Washington Bureau

Increased ceiling prices for linseed replacement oil to reflect the recent increase of 1.3c. per pound on linseed oil has been authorized by OPA, effective August 19. The manufacturers will be allowed under amendment 20 to supplementary regulation 14 F to add 6.4c. per gallon to their ceilings on replacement oil. Resellers are allowed to apply their normal markups.

Copra Deal Signed With Netherlands E. I.

An agreement has been signed for the purchase by the Commodity Credit Corporation of the exportable surplus of copra from the Netherlands East Indies. The United States has agreed to advance $15,000,000 to be used by the Dutch government for purchase of supplies and trade goods from this country and will be repaid in copra.

Naval Stores Output Reported to June 30

The United States available supply of turpentine as of June 30, less a carryover of 77,440 barrels, was 252,375 barrels, according to the Department of Agriculture. A total of 145,477, barrels were produced, and 6,149 barrels were imported. Available rosin supply totaled 805,372 drums, less a carryover of 364,179 drums as of the above date, and production totaled 416,690 drums.

Bids Wanted

Alumina sulphate: Supply for the division of water and heat, department of public utilities, as authorized by Ord. No. 1481-46, passed by the council of the city of Cleveland June 24, 1946.

Oil, Paint and Drug Reporter, Vol. 150, No. 8, August 19, 1946. Published every Monday by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Subscription price:—United States and possessions, Cuba, Mexico, Central America, and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office, under the act of March 3, 1879.

Biologics Rules Revision Planned

Notice has been issued by the Federal Security Agency of its intention to revise and promulgate new rules for biological products under the authority of the Public Health Service Reorganization act passed by congress several years ago. The trade has been asked to submit its view on the proposed rules by September 1.

Copies of the rules are not available from the agency, however, but in its notice of intention it is stated that such regulations are for the purpose of prescribing standards for viruses, therapeutic serums, toxins, anti-toxins, and analogous products, and for arsphenamine and its derivatives (and for other trivalent organic arsenic compounds), applicable for the prevention, treatment, or cure of diseases or injuries of man.

It also calls for standards for establishments engaged in the manufacture of such products, such standards being designed to insure the continued safety, purity, and potency of products falling within the categories described.

Licenses for the propagation or manufacture and preparation of such products may be issued, after the promulgation of such regulations, only upon a showing that the establishment and the products for which a license is desired meet such standards, according to the regulation. More specifically the regulations will cover definitions of terms, establishment inspection, standards for establishments (foreign and domestic), standards for products, additional standards for trivalent organic arsenicals, and procedures for the issuance, supervision and revocation of licenses.

Sugars, Syrups Output Regulations Revised

Regulations permitting industrial alcohol plants to continue the production of sugars and syrups from surplus potatoes and high moisture or damaged grain until February 1 were issued August 12 by the Bureau of Internal Revenue. This authority was to have expired July 1, 1946, but was continued for another seven months by congress.

An additional new paragraph has been added to the old regulations by the Bureau. It requires any proprietor of an industrial alcohol plant intending to produce such sugars and syrups to submit a supplemental application, Form 1431, to cover the use of the premises for that purpose until December 31, 1946, and another supplemental application to cover the use of the premises for that purpose from January 1 to January 31.

The applicant must include a statement of the equipment and the process to be used in producing such sugars and syrups and must accompany it with an appropriate consent of surity, Form 1533. The proprietor must also prepare each month and attach to his monthly report on Form 1442 a separate report showing all potatoes and high moisture or damaged grain used daily in the production of sugars and syrups by pounds and the quantity in pounds of sugars and syrups produced and removed each day from the premises.

FTC Modifies Order Against Ind. Standard

OPD Washington Bureau

The Federal Trade Commission has modified its cease and desist order of October 9, 1945, directed against discriminatory pricing practices in the sale of gasoline by Standard Oil Company of Indiana, Chicago. The price discriminations were found by the commission to be in violation of section 2(a) of the Robinson-Patman act.

The principal difference between the order as modified and the original order consists of the elimination of provisos which in two paragraphs of the original order excluded from their terms price differentials of less than ½ cent per gallon which did not adversely affect competition. Other changes were made so that the order now applies more definitely and specifically to the conditions found to exist in the Detroit trade area. Still other changes were in the interest of clarity, such as putting all exceptions applicable under the statute in one group following the prohibitory paragraphs, instead of under particular paragraphs.

Bleached Shellac Pricing Revised

OPD Washington Bureau

Because of rising prices for imported unbleached shellac, the Office of Price Administration has established a new formula for determining ceiling prices for producers' sales of bleached shellac. The formula, which goes into effect August 15, 1946, replaces specific dollar-and-cent ceilings. The uncertain cost situation makes the dollar-and-cent ceiling impractical, OPA said. The former ceilings are below the cost of the unbleached shellac being shipped in from India.

Unbleached shellac ceilings were revised on August 6, 1946. Dollar-and-cent ceilings were revoked at that time, and a formula method was substituted, allowing landed costs, plus a mark-up.

The increase in price resulting from this new action on bleached shellac will have an impact on the price for shellac varnish since the bleached shellac is one of the important components in its production. The increase in varnish ceilings will vary according to the amount and cost of the shellac used.

The formula in substance is (1) the sum of the average cost of acquisition per pound of unbleached shellac for a current calendar month plus the producer's dollar-and-cent mark-up per pound, or (2) the sum of the average cost of acquisition per pound of unbleached shellac for the current calendar month plus 85 per-

—Continued on page 72

Casein Open Billing Approved by OPA

OPD Washington Bureau

Producers of inedible industrial casein were notified in August that they may sell their product at the present domestic ceiling of 33 cents a pound and bill purchasers for the additional amount as soon as the Office of Price Administration announces a new and higher ceiling.

Effective August 15, 1946, this open billing method of shipping is being permitted to encourage production of casein, as well as its movement into the market. Because milk, from which industrial casein is extracted, has been decontrolled—at least until August 21—and has risen as much as 80 cents a hundred pounds, casein producers are being squeezed against their ceiling.

Withholding has taken place in anticipation of higher ceilings when it is decided whether or not to return controls on dairy products on August 21, 1946. Casein is the only dairy product which remains under price control.

As a result, producers say that increased production in this country is not profitable at the present ceiling. The action is made through order No. 2 under section 16 of Revised Maximum Price Regulation No. 289.

Farm Research Bill Signed by Truman

OPD Washington Bureau

President Truman affixed his signature to the agricultural research bill (H. R. 6932) August 14 with the prediction that the basic research provided for in the bill will aid in solving agriculture's greatest peacetime problem—efficient marketing of adequate quantities of the right kinds of foods and other farm products.

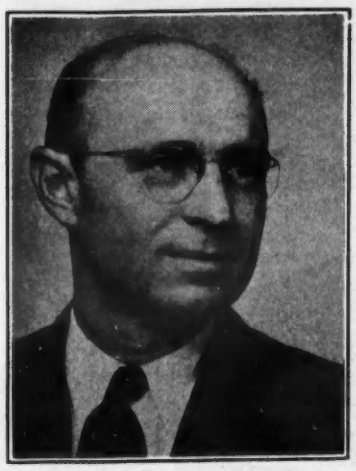
Mr. Truman said that anything that increases efficiency in moving farm products to consumers is a material contribution to the nation's welfare and added that he considered the bill a major step for the improvement of the private agricultural marketing system of our country.

Distilled Spirits Rules Amended

OPD Washington Bureau

A series of amendments to the regulations of the Bureau of Internal Revenue relating to the production and warehousing of distilled spirits and the bottling of distilled spirits (other than alcohol) in bond were issued by the bureau August 13 to take effect November 1.

In New Post



Frederick C. Abbott, formerly manager of the new products division of the Pennsylvania Salt Manufacturing Company, Philadelphia, has been appointed assistant production manager in the company's manufacturing department. He is succeeded as new products division manager by Hugh R. Bishop, recently released from the Air Corps.

Japan Chemical Output Only 32% of Needs

OPD Washington Bureau

Although production of basic heavy chemicals in Japan continues to show improvement, the output during May averaged only about 32 percent of calculated minimum requirements. The shortage of coal is still the primary cause of production being held down.

A better showing, however, was being made in the production of fertilizers. Nitrogen fertilizer production during May reached one-half of the previous Japanese maximum. Present capacity is almost two-thirds of this previous maximum.

Comment also was contained in the report with respect to fertilizers as follows:—

The Combined Food Board allocation of fertilizers to Japan for 1946 was received in early June. Unfavorable weather conditions and lack of suitable barges and loading facilities made it

—Continued on page 46

Price-Control Exemptions Are Set Forth by OPA

OPD Washington Bureau

A commodity, to be exempted from price-control under the "new commodity" provision of the price-control extension, the Office of Price Administration explains in supplementary order 173, must be one which was not commercially or industrially available before January 30, 1942. No commodity available prior to January 30, 1942, is eligible for exemption on this basis even though it has been substantially modified.

In addition to the requirement that it must be new, a commodity may qualify for exemption only if it is used in production, manufacturing, or processing of other commodities; if it reduces the cost of production, manufacturing, or processing of other commodities or increases their life; and if its use does not increase the cost to ultimate consumers of other commodities.

Several important pricing procedures have been revoked by OPA in compliance with the new act. These include three MAP orders in the textile field and the minimum initial requirement for cotton.

It is important in the scope of exemption from price-control that supplementary order 129 and its forty amendments continue in effect. This regulation provides:—

Notwithstanding the provisions of any price regulation or order heretofore . . . or . . . hereafter issued by the Office of Price Administration, except an amendment to this order, and purchases, sales, and deliveries, unless otherwise stated below, of any of the . . . industrial materials . . . listed in the sections appearing under this article are exempt from price control.

SO 129 as amended comprises the following materials:—

Aconitum heterophyllum
Activated clay
Agar
Alumina
Ammonia (household package)
Andalusite
Anhydrate rock chemically treated
Annatto seed
Antifogging compounds (window)
Aplite
Arsenic metal and trioxide
Asbestos fibers, carded, and textiles
Ball clay
Barite
Barium
Beeswax
Beeswax comb foundations
Belt dressings
Bentonite
Beryllium
Bicycle rim cement and tire fluid
Bismuth metal and alloys
Bleaching clay and fluids (household package)
Bluing, laundry
Boiler compounds
Botanical drugs domestic and imported, crude milled, ground, or powdered, and fluid, solid, and powdered extracts thereof
Brucine sulphate
Cadmium metal, oxide, and sulphide
Calcium metal
Candelilla wax
Carburizers
Carnauba wax
Case-hardening agents
Celestite
Cerium
Chalk, bulk
Chestnut-oak bark and extract
China clay
Chrome ores
Chromium
Cobalt
Cochineal
Cold top enamels and developers
Cold wave solutions
Cologne
Columbium
Cosmetic stockings
Cryolite
Cuticle remover
Cutting compounds
Cyanite
Deodorants, room
Diatomaceous earth
Dolomite, dead-burned for open-hearth dressing; raw for various uses
Drilling mud
Drug extracts, botanical
Dumortierite
Dynamite
Embalming fluids
Emetine hydrochloride
Eye shadows
Eyebrow dyes and pencils
Eyelash dyes
Feldspar
Ferric chloride
Filter sands
Fireclay, refractory
Fire-extinguishing compounds, dry
Fireworks
Fishscales
Foundry facings, carbon base, and fluxes
Fuller's earth
Gallium
Germanium
Ghatti gum
Gilsonite
Graphite
Greensand
Grinding compounds containing less than 50 percent of petroleum fractions
Guanadin carbonate, hydrochloride, nitrate
Hair bleaches (except H_2O_2), dyes, and lacquers
Halloysite
Hemlock bark and extract
Iceland spar

—Continued on page 45

OPA Hearings Held On Cottonseed Oil

OPD Washington Bureau

Hearings before the Price Decontrol Board last week developed the existence of a strong feeling among cottonseed and linseed oil crushers favoring a return of cottonseed and linseed oil to price control August 21, in view of the prospective short supply and the heavy demands being made for the oil both here and abroad. Representatives of the soybean crushers, on the other hand, urged the continued suspension of price control over soybean oil.

Under the new price control law, the board must find whether ceilings should be reestablished on these and their food and feed byproducts as well as on livestock, milk and other grain before August 21. They can be imposed, however, only if the board finds that the prices have risen unreasonably, that the commodities are in short supply and that the public interest will be served.

The first day of the hearings were devoted to grains, and were followed the next day with testimony on livestock, then cottonseed and soybeans and were concluded August 14 with hearings on milk. More than a hundred witnesses were heard with in-

—Continued on page 45

Metal Powder Standard Revised by Association

The Metal Powder Association has revised its standard for the tentative method for sieve analysis of granular metal powders, originally issued in June, 1945. The revised standard is designated as M.P.A. Standard 5-46T. Copies may be obtained from the association, 420 Lexington avenue, New York 17, N. Y., for 10 cents a copy.

Washington Talks It Over

The OPD Observer

The "ever-normal granary" idea, first advanced by Henry Wallace when he was Secretary of Agriculture as a buffer against domestic food shortages or oversupplies depressing prices, may become an international scheme. Contrary to previous reports, the Truman cabinet has increased the general principle of an international ever-normal granary.

The scheme is embodied in a world food plan recently presented by Sir John Orr, director-general of the Food and Agriculture Organization. In substance, it would operate to stabilize agricultural commodity prices in the world markets, establish a world food reserve in case of need, and make possible the disposal of surplus farm products on special terms to countries in need of them.

The cabinet has had before it a report from an inter-agency committee which describes in general terms the principles set forth in the Orr plan as the U. S. objective at the forthcoming world food conference in Copenhagen, September 2. The principle has been accepted by the cabinet without a dissenting voice with a request that it be given further study, together with alternative proposals.

Veterans' Prescriptions

The Veterans Administration's program of providing "home town" prescription service to vets with service-connected disabilities is being widely adopted. Some twenty-nine States have agreed to cooperate, and contracts with State pharmaceutical associations already have been approved in thirteen of them.

Home town prescription service is a plan put into operation recently to reduce the delays which arose when all prescriptions from fee-basis physicians had to be mailed to the nearest VA office and the medicine sent to the veteran by mail. Under the new plan eligible veterans simply take the prescriptions to their neighborhood drug store and VA pays the bill.

It was worked out in conferences between W. Paul Briggs, director of VA Pharmacy Service, and representatives of the American Pharmaceutical Association and the National Association of Retail Druggists.

Business Spends for Expansion

The Federal Reserve Board is looking for a further rise in business capital expenditures in the remaining months of 1946. Business expenditures for construction of new plant and equipment, the board notes, more than doubled in the last year to a quarterly rate in excess of $2,000,000,000.

The heaviest expenditures for capital improvements have been made by manufacturing and mining companies and the greatest relative gains have been in trade and service industries. To raise funds for development and expansion, business concerns since the end of the war in Europe have borrowed up to $2,000,000,000 from banks and have raised more than $1,000,000,000 from the sale of new security issues.

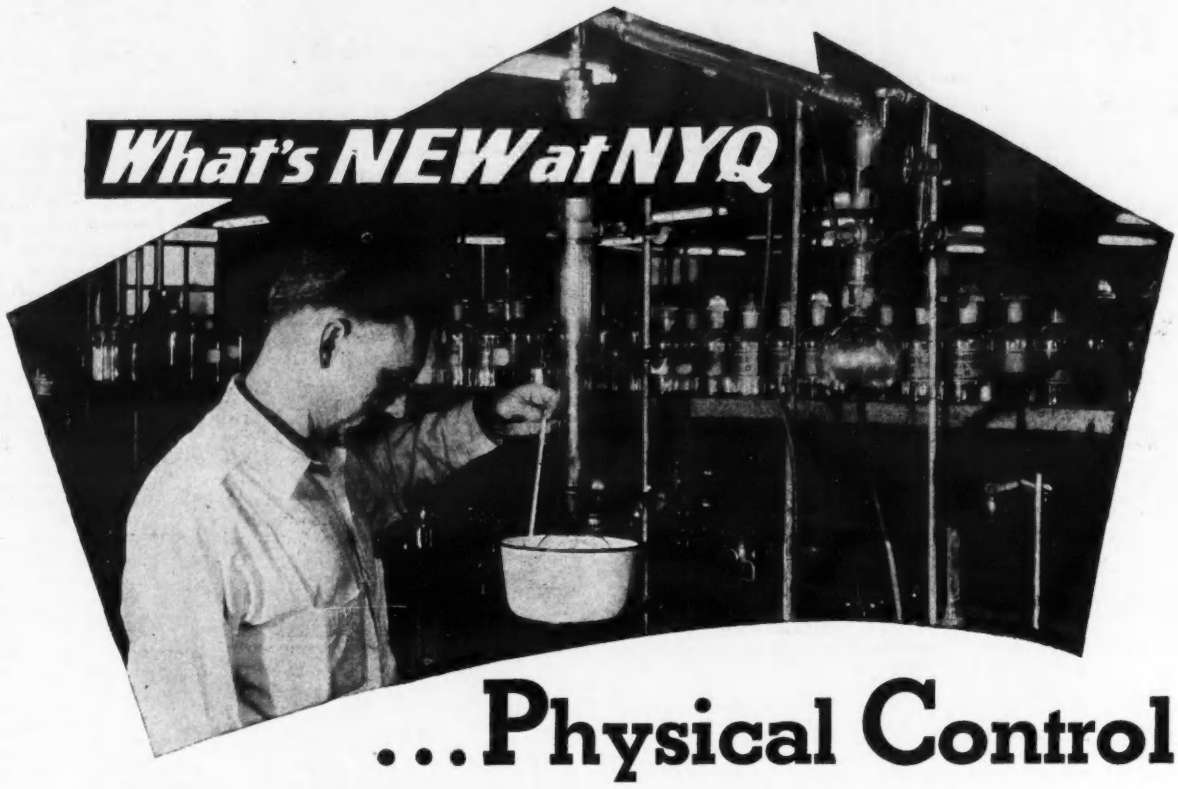
Radioactives Puzzle Carriers

Railroads and motor carriers are up against a tough problem of transportation now that radioactive isotopes are no longer a scientific dream but actually are being produced for dis-

—Continued on page 36

Alcohol Plant Planned By California Group

John L. DuBois of El Centro, Cal., is head of a fifteen-man group, which plans to purchase twenty acres in the Imperial Valley of California as the site for construction of a syrup and alcohol plant. The factory will contain units for converting oil-bearing plants, grains and alfalfa into Vitamin A, fertilizer, alcohol, syrup and other products. The project is expected to cost approximately $232,000.



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Bismuth Subnitrate and other Bismuth Salts
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All Salts of Cinchona Alkaloids
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Iodoform
Potassium Iodide (Cryst.-Gran.-Powd.)
Quinine Sulfate and other Quinine Salts
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Copper-Tetra-(4)-thiocyano-phthalocyanin

Dye—Starting point (Brit. 541146) in making green dyes fast to washing, light, and bleaching agents.

Douglas Fir Bark

(*Bark of Pseudotsuga Douglasii or Oregon Fir.*)

Miscellaneous—Suggested as a starting point in making substitute for cork (the bark is ground, treated with water and ammonium hydroxide to give elasticity, and then pressed into shape).

3-Ethyl-5-(epsilonacetanilido-deltabetadeltapentadienylidene) rhodanin

Photographic—Starting point (Brit. 517769) in making sensitizer-dyes for silver halide emulsions with morpholin or piperidin

1-Hydroxycyclo-octyl-Hydrogen Peroxide

Plastics—Starting point (U.S. 2298-405) in making ether-insoluble polymers.

1-Para-aminobenzenesulphon-ethylamidobenzothiazole

Pharmaceutical — Claimed (Brit. 517272) as therapeutically useful new compound.

Petrolatum

(*Additional uses; see also the book—Uses and Applications of Chemicals and Related Materials.*)

Marine—Coating and preservative for machinery and metal parts in laid-up ships.

Petroleum—Ingredient (U.S. 1901-240) of dewaxing agent for petroleum oils (used in combination with grahamite and a suitable solvent).

Rayon—Ingredient (U.S. 1984304) of addition agent (emulsion with casein, paraffin wax, and a monocyclic terpene alcohol, such as terpineol) for spinning solution in making low-luster rayon, the emulsion acting as a delustrant.

Warfare and Civilian Disaster—Combating agent for swelling and gangrene caused by exposure to salt-water (applied as an impregnated stocking).

Coating and covering agent in warfare and civilian disaster burn therapy.

Puberulic Acid

(*A metabolic product of the Penicillium species of molds.*)

Pharmaceutical—Reported to be a suppressor of growth of a large number of Gram-positive bacteria at very high dilutions.

Association Meetings

American Association of Textile Chemists and Colorists, Statler hotel, Boston, December 12-15.

American Chemical Society, semi-annual meeting, Chicago, September 9-13.

American Forest Congress, Washington, D. C., October 9-11.

American Mining Congress, Denver, September 9-12.

American Pharmaceutical Association, William Penn hotel, Pittsburgh, Pa., August 25-30.

American Sopbean Association, Jefferson hotel, St. Louis, August 29-31.

Associated Chain Drug Stores, New Yorker hotel, New York, September 16-18.

Federal Wholesale Druggists Association, Claridge hotel, Atlantic City, N. J., September 17-19.

Federation of Paint and Varnish Production clubs, Traymore hotel, Atlantic City, N. J., November 4-5.

National Foreign Trade Council, Waldorf-Astoria hotel, N. Y., November 11-13.

National Paint, Varnish and Lacquer Association, Traymore hotel, Atlantic City, N. J., November 6-8.

National Pest Control Association, Roosevelt hotel, New Orleans, October 28-30.

National Wholesale Druggists Association, Traymore hotel, Atlantic City, September 23-26.

Elected Chairman

E. A. Throckmorton, president of the Container Testing Laboratories, New York, has been elected chairman of the Packaging Institute's standing committee on trade standards and practices responsible for the industry's newly-initiated standardization program.

Agricultural Insecticide Group to Meet Sept. 4-5

The thirteenth annual meeting of the Agricultural Insecticide and Fungicide Association will be held at Spring Lake, N. J., on September 4-5. Sessions will be conducted at the Essex and Sussex hotels. Subjects to be discussed are as follows:—

"The Private Enterprise System," by Clifton A. Woodrum, president of the American Plant Food Council.

"What Cattlemen Want in Live Stock Sprays," by Ray L. Cuff, Southwestern regional manager for the National Live Stock Loss Prevention Board.

"The Toxicology of Insecticides and Fungicides," by Dr. D. O. Hamblin, medical director for the American Cyanamid Company.

"Preliminary Results of Tests of Some of the Newer Insecticides," by Dr. F. C. Bishopp, assistant chief of the United States Bureau of Entomology and Plant Quarantine.

George Krieger, chairman of the newly-organized agricultural development committee of the American Petroleum Institute, will describe the farm research of that group, and Allen B. Lemmon, chief of the bureau of chemistry of the California State Department of Agriculture, will report on the enforcement of protective regulations in farm chemicals.

Felix H. Wormser, secretary of the Lead Industries Association, will talk on the national lead shortage and its effect on production of lead arsenate. Other speakers will be Willard H. Allen, New Jersey Secretary of Agriculture, and Congressman John W. Flannagan, chairman of the house agricultural committee.

Imports at U. S. Ports

New York

ALCOHOL — 100 dms, Public Canadian American Spirit Corp, Havana

ALLSPICE—61 bgs, Harold A Sothern, Porto Barrios

ALUMINA CHLORIDE—20 cs, Lo Curto & Funk, Liverpool

ARABIC GUM—302 bgs, Angus Mackey & Co, Lagos

ARSENIC—17 bbls, Cosmo Shipping Co, Vera Cruz; metallic, 11 dms, Trust Co of North America, Liverpool

ASBESTOS—1,920 bgs, Sussex Trading Corp, Durban

ASPHALT, PETROLEUM — 50,456 bbls, Shell Oil Co, Curacao

BABASSU KERNELS—2,500 bgs, General Foods Corp, Parnaibo

BALATA—230 cs, H A Astlett & Co, Manaus; 62 cs, Herman Weber & Co, Manaus

BALSAM, COPAIBA—5 dms, Norda Essential Oil & Chemical Co, Manaus; 30 cs, Ungerer & Co. Manaus; 58 cs, Stern, Morgenthau & Co, Manaus

BALSAM OIL—27 dms, Balfour, Guthrie & Co, Lagos

Insecticide Substitute Developed by Japan

Development of a substitute insecticide by the Japanese during the war to replace the mixture of kerosene and pyrethrum used for the control of rice leafhoppers was disclosed in the June report of General MacArthur to the War Department on non-military activities in Japan.

The report said that the substitute was found and patented in 1943 after kerosene became increasingly scarce in 1941. Commonly referred to as ethyl ester, the insecticide is also known as "soybean fatty acid sulfonated ethyl ester" and "linoric acid ethyl ester." Its formula is $C_{17}H_{27}COOC_2H_5$. Average specific gravity is 0.88. Basic raw materials for manufacture are alcohol, soybeans and coal. The report also commented as follows:—

For leafhopper control in rice paddies, the ester is applied by a man with a drop can walking down every fourth row of rice applying the undiluted ester to the water surface. Others brush the rice causing the leafhoppers to jump to the surface of the water where they are killed by the ester. The ethyl ester is used alone. It is noninjurious to foliage. The rate of application is approximately 13 liters per hectare. This insecticide has also proved to be effective against the larva of a trichopterous rice pest in Hokkaido.

Export Managers Hear Middle East Trade Talk

The limitations of American trading opportunities in the Middle East were described last week by General R. L. Maxwell, former advisor to the commanding general of the allied forces in the Middle East, in an address at a luncheon meeting of the Export Managers Club.

He attributed his lack of enthusiasm over opportunities in the Middle east to three reasons. Our prices, he said, are too high and getting higher; there are many exchange difficulties in building up trade there, and there is little that we want from there in imports.

BARBASCO ROOT—4,499 bls, Reconstruction Finance, Belem

BEES WAX—6 bgs, Curacao Trading Co, Sanchez; 64 bgs, Schutte & Focke, Trujillo; 11 bgs, Wessel, Kulenkampf & Co, Puerto Plata; 100 seroons, Lenape Trading Co, Puerto Plata; 13 bgs, E A Bromund & Co, Porto Barrios; 25 bgs, Galemex Co, Porto Barrios; 19 bgs, H Pike & Co, Havana; 25 bgs, Guaranty Trust Co, Havana; 40 bls, Luzzato Co, Karachi; 44 bgs, Mercantile Metal & Ore Corp, San Antonio; 94 bgs, Mercantile Metal & Ore Corp, Talcahuano; 82 bgs, E A Bromund Co, Havana; 66 bgs, National City Bank, Havana; 74 bgs, Havana

BENZOIN GUM—47 bdls, Jasius Import Corp, Singapore

BERBERIS ROOT—7 bls, R J Prentiss & Co, Trieste

BERYL ORE—2,000 bgs, Royal Bank of Canada, Cabedelo

BILE—36 cs, American Ferment Co, Vera Cruz; 3 bbls, Frederick Stearns & Co, Havana

BLOOD, DRIED—1,456 bgs, Wessel, Duval & Co, Rio de Janeiro

BLUE CLAY—100 tons, Bristol

BURDOCK ROOT—11 bgs, J L Hopkins & Co, Trieste; 54 bgs, Schutte & Focke, Trieste

CALAMUS ROOT—14 bls, E Meer & Co, Trieste

CANARY SEED—3,535 bgs, Hershey Co, Buenos Aires; 791 bgs, H S Cramer & Co, Buenos Aires

CANAIGRE ROOT—197 bls, Vera Cruz

CARAWAY SEED—105 bgs, Louis Furth, Inc, Rotterdam; 400 bgs, Catz American Co, Rotterdam; 20 bgs, Joel Bieler Co, Rotterdam

CARNAUBA WAX—444 bgs, W R Grace & Co, Fortaleza; 8 bgs, Strahl & Pitsch, Fortaleza; 181 bgs, American Cyanamid & Chemical Corp, Fortaleza; 33 bgs, American Key Product Co, Fortaleza; 109 bgs, Continental Bank & Trust Co, Fortaleza; 67 bgs, Wm M Allison & Co, Fortaleza; 413 bgs, S C Johnson & Son, Fortaleza; 125 bgs, D F Young, Parnaibo; 75 bgs, New England Blacking Co, Parnaibo; 35 bgs, Strahl & Pitsch, Parnaibo

CAROB BEAN FLOUR—200 bgs, Wessel, Duval & Co, Havre; 300 bgs, Stein, Hall & Co, Havre

COCILLANA BARK—64 bls, Bank of the Manhattan Co, Mollendo; 282 bls, S B Penick & Co, Mollendo

CASEIN—9,877 bgs, American Cyanamid & Chemical Corp, Rio de Janeiro; 500 bgs, Keller, Dorian Corp, Buenos Aires; 500 bgs, Colloids, Inc, Buenos Aires; 9,445 bgs, Borden Co, Buenos Aires; 2,000 bgs, Hercules Powder Co, Buenos Aires; 2,200 bgs, T M Duche & Son, Buenos Aires

CASHEW OIL—150 dms, Brazil Oiticica, Inc, Fortaleza; shell liquid, 265 dms, Irvington Varnish & Insulation Co, Cochin

CASTOR BEANS—4,590 bgs, Baker Castor Oil Co, Recife; 1,700 bgs, Spencer Kellogg & Sons, Cabedello; 1,000 bgs, Baker Castor Oil Co, Fortaleza; 2,035 bgs, Spencer Kellogg & Sons, Fortaleza; 1,665 bgs, Spencer Kellogg & Sons, Recife

CEDARWOOD OIL—5 dms, W J Bush & Co, Mombasa

CHALK, CRUDE—2,000 tons, Taintor Trading Co, London; precipitated, 300 bgs, H J Baker & Bro, Bristol; 300 bgs, H J Baker & Bro, Liverpool

CHAMOMILE FLOWERS—75 cs, Peek & Velsor, Trieste

CHAULMOOGRA OIL — 200 cs, Magnus Mabee & Reynard, Cochin; 6 dms, Geo Luedera & Co, Cochin

CHICLE GUM—350 bls, Mexican Exploitation Co, Vera Cruz

CHILLIES—37 bgs, Van Norden & Archibald, Mombasa; 1,777 bgs, Dodge & Olcott Co, Mombasa; 25 bgs, Geo Uhe Co, Mombasa; 265 bgs, Norda Essential Oil & Chemical Co, Mombasa; 73 bgs, Mombasa; 45 bgs, French American Banking Corp, Lagos; 822 bgs, Wm Allison & Co, Lagos; 42 bgs, Balfour, Guthrie & Co, Lagos; 2,185 bgs, W & A Leaman, Lagos

CHROME ALUM—11 cks, National City Bank, Liverpool

CINNAMON—71 bls, Wessel, Duval & Co, Colombo; 65 bls, Max Van Pels, Colombo

CITRONELLA OIL—2 dms, 1 srby, Fruit Dispatch Co, Porto Barrios; 2 dms, Felton Chemical Co, Porto Barrios; 15 dms, W J Bush & Co, Porto Barrios; 15 dms, Norda Essential Oil & Chemical Co, Porto Barrios; 3 dms, Jasius Import Corp, Singapore

COBALT OXIDE—100 cs, African Metal Corp, Antwerp; 200 cks, Pyrites Co, Antwerp

COCHINEAL—100 bgs, Duncan Fox & Co, Callao

COCOA RESIDUE—3,199 bgs, Liverpool

CODLIVER OIL—22 bbls, White Laboratories, Gothenburg; 175 dms, Chemical Bank & Trust Co, Bergen

COLORS, CERAMIC—5 cs, A W Fenton Co, Inc, Liverpool; 5 cs, Shenongo Pottery Co, Liverpool; dry, 6 dms, Devoe & Reynolds, Liverpool; 2 cs, B F Drakenfeld & Co, Liverpool

COTTON LINTERS—1,476 bls, Simmons Co, Buenos Aires; 239 bls, Cowa Co, Cabedello

COTTONSEED MOTES—476 bls, Kanders Steuber Co, Santos

CRESYLIC ACID—100 dms, Crowley Tar Product Co, Manchester; 105 dms, G F Smith, Liverpool; 100 dms, Schenectady Varnish Co, Inc, Liverpool; 100 dms, West Disinfectant Co, Liverpool; 167 dms, Durez Plastics & Chemical Co, Ltd, Liverpool; 100 dms, American British Chemical Supplies, Liverpool; 125 dms, Monsanto Chemical Co, Liverpool; 358 dms, Liverpool

CROCIDOLITE ORE—40 cs, A G Parker, Inc, Durban

CUBE ROOT — 134 bgs, Reconstruction Finance, Daressalaam

CUTTLEFISH BONES—683 cs, Hinton & Co, Trieste

CYMBARUM OIL — 23 dms, Dodge & Olcott Co, Rio de Janeiro; 14 dms, S B Penick & Co, Rio de Janeiro

DANDELION ROOT—2 bls, Wessel, Duval & Co, Buenos Aires

DIESEL OIL—65,457 bbls, Standard Oil Co N J, Caripeto

DYES, ANILIN—4 cks, L & R Organic Product Co, Liverpool; 30 kgs, 321 dms, Calco Chemical Co, Valparaiso; 9 dms, 15 cvls, 14 bbls, Sandos Chemical Works, Havre; 66 dms, Geigy Co, Havre; 25 dms, 2 cks, Ciba Co, Havre; 15 bbls, 11 dms, 19 cs, Havre

FENNEL SEED—101 bgs, Louis Furth, Rio de Janeiro; 300 bgs, Chase National Bank, Rio de Janeiro; 300 bgs, Louis Furth, Buenos Aires

FENUGREEK SEED—200 bgs, I A Levy, Casablanca

FLAXSEED—5,532 tons, Commodity Credit Co, Montevideo

FLINT PEBBLES—600 bgs, J W Higman Co, Copenhagen; 640 bgs, Buebendorf Bros, Copenhagen

FUEL OIL—294,750 bbls, Standard Oil Co NJ, Aruba

GARNETLAC—196 bgs, Wm Zinsser & Co, Calcutta

GAS OIL—66,768 bbls, First National Oil Corp, Tampico

GERANIUM OIL—4 pkgs, Banque Belge Afrique, Matadi

—*Continued on page 77*

Fats, Oils Situation Surveyed

Stocks of animal and vegetable oils and fats are at the lowest in fifteen years, according to a survey on oils and fats just completed by the National Industrial Conference Board. While production and consumption were considerably stepped up during the war, severely decreased imports and vastly increased exports resulted from the elimination of Far Eastern sources and from disappointingly low imports from South America. Since the war, heavy demands from the United Nations have placed a severe strain on American supplies.

Certain imports, such as linseed and other drying oils from South America, may be lost if price limitations are set. Purchases of copra and coconut by UNRRA may further limit supplies available for this country.

The shortage of fats and oils brought tightened Government restrictions in 1946. This condition appears to have resulted mainly from dislocations of foreign trade. In 1945, stocks decreased somewhat more than exports exceeded imports—an abnormal situation since it represents a 50 percent drop in imports below 1937-41 averages.

The uptrend in soybeans and soybean oil contrasts with that of other oils. Soybean production in 1945 was only slightly below the 1943 record, while soybean oil output in 1945 exceeded that of 1944 by 142,000,000 pounds, and was more than three times that of the 1937-41 average.

Drying oils are becoming increas-

—*Continued on page 72*

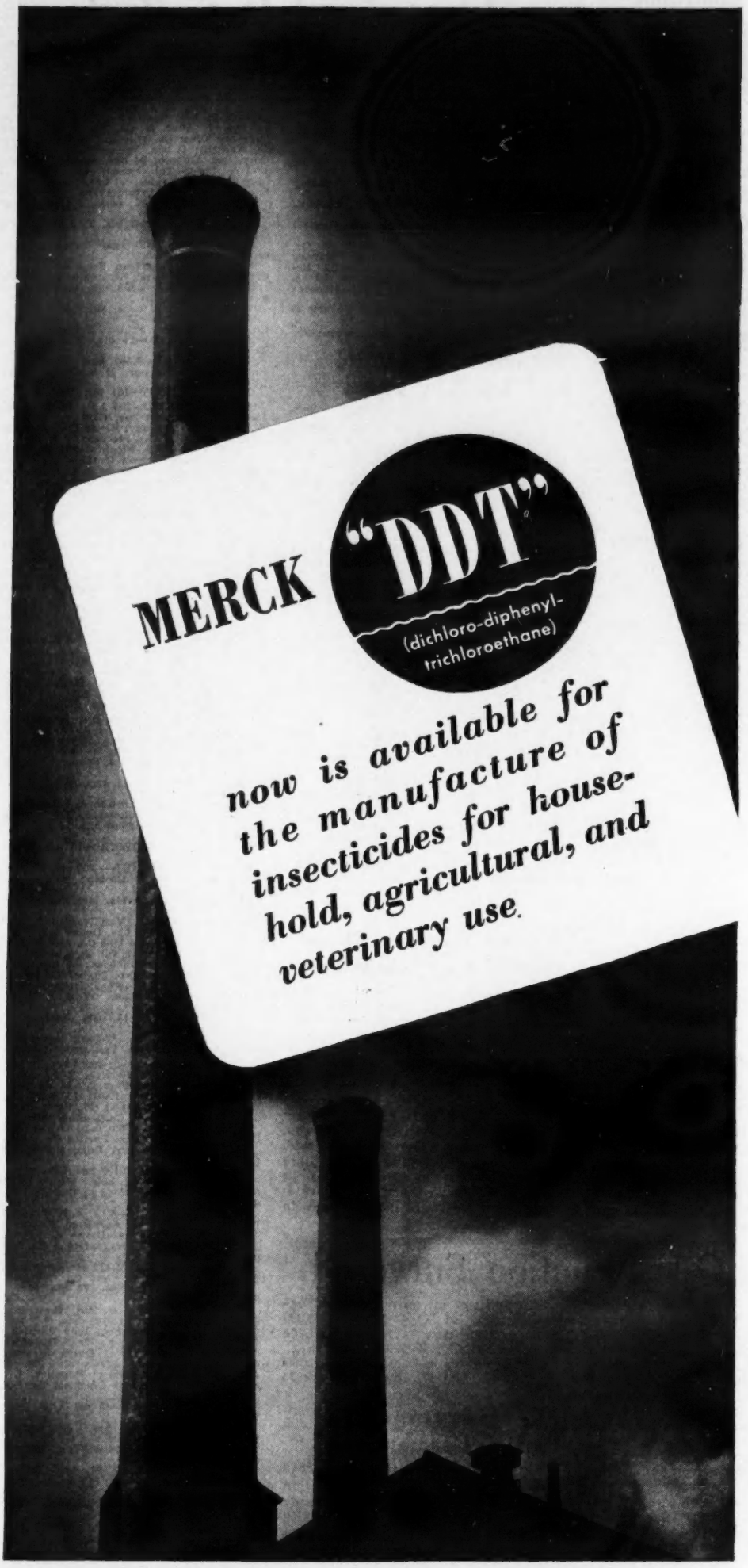
Chemicals Output Up In U.S. German Zone

OPD Washington Bureau

Overall production of chemicals in the United States zone of Germany stepped ahead again in May, with the industry operating at 28 percent of estimated current capacity, according to report of the Military Government made public this week by the War Department.

Fertilizer output was up all along the line—in cyanamide, phosphates and potash, the report said.

After reaching a postwar high in April, production of soda ash fell back 6 percent in May to 4,500 metric tons, it was added. Calcium carbide was practically unchanged, but in two other basic inorganic chemicals—caustic soda and sulphuric acid—there were monthly gains. In addition to soda ash, crude coaltar was one of the few important chemicals to record a decline in May—8 percent below April.


MERCK "DDT"
(dichloro-diphenyl-trichloroethane)
now is available for the manufacture of insecticides for household, agricultural, and veterinary use.

NOW that its job of protecting the health of American Service men overseas is almost completed, Merck "DDT" Technical is being released to manufacturers for the production of modern, effective insecticides.

Expanding application defines more definitely the important rôle, present and future, of "DDT" in the hands of the insecticide manufacturer and pest-control operator. For many years, Merck has been producing the pivotal basic chemical employed in the synthesis of "DDT" and thus it was only natural that we should be at the forefront in the production of this powerful insecticidal agent.

The product we are offering is—

"DDT"

(dichloro-diphenyl-trichloroethane)

TECHNICAL

Setting Point 89° C. Minimum

For Manufacturing Purposes Only

As production levels rise and current commitments are provided for, we will find increasing opportunities to co-operate with manufacturers of "DDT" insecticides and to serve as a basic and prime source of supply for this product.

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Current Market Quotations Chemicals and Related Materials

August 15, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).
Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works. ..lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls.lb. .26 - .31
powd., bbls. .....lb. .27 - .32
USP, cryst., bbls. .....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls. .....lb. .34 - .35
kgs. .....lb. .35 - .37
Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms...lb. .49 - .67
Acetone, CP,[1] dms., c.l. dlvd.lb. .07 - —
l.c.l., dlvd.....lb. .07½- —
tanks, dlvd. .....lb. .06 - —
Methyl (see (M).
Acetonitrile, dms., c.l., works.lb. .35 - —
l.c.l., works .....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works.lb. .50 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.50 - 1.75
Acetyl chloride, cbys., works.lb. .60 - —
Acid, abietic, dcmss., c.l., wks...lb. .07½- —
Acetic,[2] com'l or redist., 28%, bbls..100 lbs. 3.26 - 3.42
50%, bbls.....100 lbs. 5.54 - 5.95
70%, bbls.....100 lbs. 6.60 - 6.98
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bbls. .....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.98 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works ....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works.100 lbs.10.50 -11.00
pure, 80%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.84 - 5.11
60%, bbls.....100 lbs. 7.00 - 7.26
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .59
standard USP, fine cryst., gran. (20-40 mesh), powd. (80 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP, cryst., powd., bbls., frt. adjusted..lb. 1.25 - 1.30
Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .30 - .32
Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .42 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59
Betanaphthoic, bbls., works. lb. .35 - —
Boric, tech., 99.5% cryst. (same as prices for powder).
gran., bgs., c.l., frt. alld.. ton.99.90 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .32 - —
l.c.l., same basis.....lb. .39 - —
Brenner's, bbls.....lb. 1.11 - —
Cacodylic, bots.....lb.13.50 -14.50
Camphoric, cns. .....lb. No stocks
Caprylic, 99%, dms. .....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l. lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots..... lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't, lb. .23 - —
smaller lots, bbls.....lb. .23 - —
dms. .....lb. .25½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls.....lb. .21 - —
dms. .....lb. .22 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil,[1] a.d., dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] a.d., dms., c.l. lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¼
Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - .96
l.c.l., same basis....gal. .83 - .98
tanks .....gal. .75 - .90
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .63° - —
tanks, dlvd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .638 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .696 - —
tanks, dlvd.....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works .....lb. .10½- .11
90%, cbys., c.l., works....lb. .10½- —
l.c.l., works .....lb. .11 - .11½
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms. .....lb. 1.32 - —
technical, bbls. .....lb. 1.10 - 1.15
Gamma, bbls. .....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls. .....lb .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots. .....lb. 2.57 - —
57%, bots. .....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E...lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works .....lb. .16 - —
30%, rubber dms., works..lb. .06 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .06 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila...lb. .064 - —
tanks, Belle, W. Va., acid basis..lb. .05½- —
Hypophosphorous, USP, dms., lb. .75 - .77
Lactic, edible, 50%, cbys, 20 or more..lb. .12½- —
smaller lots .....lb. .13 - .13½
80%, bbls., 5 or less.....lb .24½- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15½
80%, bbls., cbys., 5 or less, lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works ....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 2.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .84 - .87
USP VIII, 10%, cbys.....lb. .83 - .85
Acids, Laurent's, bbls.....lb. .45 - —
Lauric, dist., 95%, dms.....lb. .28 - —
Linseed oil,[1,7] light, dms...lb. 21½- .22
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.70
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit.....lb. .0065- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms. extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, works.....lb. .12 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., ca., extra..lb. .15 - —
dealers, cbys. extra....lb. .11¼- —
7-lb. bots., ca., extra...lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[2] white, dist., dms.lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] a.d., tanks, works. lb. .11¼- —
Phenylacetic, bots.....lb. 1.65 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.00
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10¾- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¾- —
25 cbys. to c.l.....lb. .11¾- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .25 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.05
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, dms., dlvd. E., gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .43
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., c.l., works. lb. No stocks
Soybean oil,[1] a.d., dms., works. lb. .11¾- .16½
tanks, works.....lb. .11 - .16¾
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd. lb. .16¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .15¾- —
Texas and Okla., dlvd. lb. .15¾- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd. lb. .19½- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.00 - 1.02
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.18.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
66° tanks, works.....ton.17.50 - —
Acid, sulphuric, CP, USP, consumers cbys., extra..lb. .06 - —
9-lb. bots., ca. extra...lb. .10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., ca. extra...lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.. lb. 1.32 - —
smaller lots.....lb. 1.35 - 1.50
powder, bbls., 1,000 lbs..lb. 1.12 - —
smaller lots.....lb. 1.15 - —
Tartaric,[7] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .62½- —
smaller lots.....lb. .63 - —
kgs. .....lb. .63½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.60 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[1] CP, 100-lb. pkgs..lb. 2.94 - 3.16
pure, 100-lb. kgs.....lb. 2.80 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.20 - 1.35
Aconitine, amorph., bots.....oz.23.00 -25.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -45.00
15-gr. vials.....vial. 1.00 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .28½- —
tanks, works.....lb. .25 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .30 - .33
pharmaceutical, dms., works. lb. .26 - .30
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 2.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .70 - .75
egg, edible,[1,7] cryst., gran., bbls. lb. 1.81 - 1.89
powd., bbls. .....lb. 1.86 - 1.94
tech., cryst., bbls.....lb. 1.05 - 1.50
Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.. .....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .90 - —
dms. .....lb. .85 - —
Butyl, Normal,[1] ferment., ill., ind. prod., dms., c.l., frt. alld..lb. .25½- —
l.c.l., frt. alld. E....lb. .26 - —
tanks, frt. alld. E....lb. .24½- —
tankwagons, frt. alld..lb. .25 - —
other production, dms., c.l., frt. alld. E..lb. .1950 - —
l.c.l., frt. alld. E....lb. .2000 - —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E....lb. .10¾- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., dlvd.lb. .09½- —
l.c.l., dlvd. .....lb. .10 - —
tanks, dlvd. .....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms. .....lb. .12 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works..lb. .17½- —
l.c.l., works .....lb. .18½- —
tanks, works .....lb. .16 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots .....lb. 1.95 - 2.00
Cinnamic, bots.....lb. 3.00 - 3.30
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .658
tanks, E. dlvd. .....gal. .543 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .662
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.
SD2B dms., c.l., wks., E.gal. .60½- —
l.c.l., works, E.....gal. .63½- .65½
tanks, E. works.....gal. .53½- —
SD23G, dms., c.l., works.gal. .652 - —
l.c.l., works .....gal. .672 - —
tanks, works .....gal. .562 - —
SD23H, dms., c.l. .....gal. .61 - —
l.c.l., works, E.....gal. .63 - .66½
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works, gal. .62 - —
l.c.l., works, E.....gal. .64½- .68½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - .69
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11¼- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½

Controls on Materials

Applications of CPA, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order
[4]—General Preference Order
[5]—Conservation Order
[6]—Allocation
[7]—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l. works..gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.65½- —
absolute, dms., c.l., works.gal.18.67½- —
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.60½- —
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0660- —
tanks, works.....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd..gal. .38 - —
l.c.l., dlvd.....gal. .41 - —
tanks, dlvd.....gal. .31½- —
99%, dms., incl., c.l., dlvd.. gal. .41½- —
l.c.l., dlvd.....gal. .44½- —
tanks, dlvd.....gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.30 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .63
Propyl, normal, dms., works.gal. .67 - —
smaller containers, works, gal. .82 - —
tanks, works.....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol, dms, works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.25 - 2.30
Algarobilla,[1] c.l., ex dock.. long ton.80.00 -83.30
Algarobilla price based on ocean $12 and $1 insurance per long ton. frt. at
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allspice,[1] Mexican, futures, bgs. lb. .26 - .26½
Allyl bromide, coys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd....lb. .13¾- —
l.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .12½- —
Aloe, Cape, cs.....lb. .42 - .43
Curacao, kgs.....lb. .42 - .43
Socotrine, kgs.....lb. .47 - .49
Alois, bbls., dms., kgs.....lb. 4.50 - 4.80
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ret. dms, works, frt. equald..lb. .23½- .23¼
Alphapinene, from gum turpentine, dms., c.l., wks..gal. 1.02½- —
l.c.l., works.....gal. 1.04½- —
tanks, works.....gal. .99¼- —
from steam-distilled wood turpentine, tanks, works..gal. .71¾- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .50 - .55
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
grns., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil 100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12¼- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, classified, grade, ground, kgs., works..lb. .35 - .67
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .40
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .09½- .10
20%, bbls., l.c.l., works..lb. 08½- 09
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .08 - —
l.c., works.....lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi..lb. .09½- —
l.c.l., works, same basis. lb. .10 - —
Hydrate, heavy bgs., c.l., works. lb. .024 - .061
l.c.l., works.....lb. .035 - .040
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% Al (OH)$_3$, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis..lb. .03¼- .03½
smaller lots, same basis. lb. .03¾- .04
9-9½% Al_2O_3, fib. dms., works,..lb. .17¾- —
contract, works.....lb. 16¾- —
14-15% Al_2O_3, fib. dms., wks..lb. .20¾- —
contract, works.....lb. 19¾- —
dried, USP XII, fib. dms., works..lb. .75 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .25 - .26
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .19 - —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .18½- —
Stearate, precip., ctn., c.l...lb. .27½- —
l.c.l.....lb. .28½- —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.20
l.c.l., works, frt. equald.... 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.40
Alumina sulphate, com'l, bbls., l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l.....lb. .15 - .16
paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink., 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .56 - —
powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .60 - —
standard, 200-lb. dms..lb. .62 - —
rubber comp., 200-lb. dms..lb. .42 - —
unpolished, stand., dms...lb. .56 - —
varnish, stand., 300-lb. dms., lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.61.50 - —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l.....lb. .03½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1060- —
powd., bbls., kgs.....lb. .1130- —
Bromide, gran., NF, bbls....lb. .28 - —
dms.....lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms..lb. .06¼- .06½
cns.....lb. .14¼- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms.....lb. .80 - .85
Fluoride,[6] bbls.....lb. No stocks
Hydroxide (see Ammonia, squa).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars.....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars.....lb. 3.85 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p. cryst., kgs.lb. 1.26 - 1.35
fine cryst., bbls., kgs....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.13
Nitrate,[1] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs. c.l., shipping point.....ton.52.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs.4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls....lb. .23 - —
dms.....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works...lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs....lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .06½- —
Sulphamate, bbls., dms., works. lb. .18 - .29
Sulphate,[1] bulk, producing ovens..ton.30.00 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 49%, cbys., works.....lb. .06 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .05 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .75 - —
jars.....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .17½- —
tanks, dlvd.....lb. .16 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss R..lb. .16½- —
l.c.l., same basis.....lb. .17½- —
tanks, same basis.....lb. .15½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.85
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .83
Stearate, dms., works.....lb. .42 - .45½
Anethol, com'l, dms., works..lb. .657 - .662
NF, dms.....lb. 2.20 - 2.60
Angelica dom. atropurpurea root, bls..lb. 1.80 - 1.40
imported, natural, bls.....lb 2.50 - 2.60
Angostura bark, bls futures...lb .35 - .36
Anilin oil, dms., c.l., works, frt. alld..lb. .12 - —
l.c.l., works, frt. alld.....lb. .13 - —
tanks, works, frt. alld.....lb. .11 - —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Chinese, star .....lb. .21 - .22
Cyprus, bgs.....lb. No stocks
Mexican, bgs., futures.....lb. .46½- .47
Syrian, bgs., futures.....lb. .52 - .53
Turkish, bgs.....lb. No stocks
Anisic aldehyde, dms.....lb. 2.75 - —
cns., bots.....lb. 2.90 - 3.35
Annatto, paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .13½- .13¾
Anthracene, 80-85%, bbls., works. lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17¼
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .16½ Nom.
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l...lb. .17 - —
l.c.l.....lb. .17½- —
paint grade, bgs., c.l.....lb. .17 - —
l.c.l.....lb. .17½- —
Salt,[1,6] 65%, bgs., c.l., dlvd. E. of Miss River..lb. No stocks
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....os.22.20 -23.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .15½- .16
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity)..35.00 -36.00
Arnica flowers, bbls.....lb. 1.65 Nom.
Arrowroot, powd., bgs., bbls..lb. .10½ Nom.
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l.....lb. .04¾- —
Asafetida, cs.....lb. .70 - .75
powd., bbls., dms.....lb. .94 - .95
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber[1] 5D and 5K bgs., c.l. (20 tons), Cana, mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (30 tons), same basis..ton.32.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.38.40 - —
l.c.l.....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l.....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l.....ton.56.00 - —
Egyptian .....ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mineston.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....os. 9.85 - —
Sulphate, bots.....os. 7.35 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .75 - .80
Barbital, dms.....lb. 2.50 - 2.60
Sodium, dms.....lb. 2.75 - 2.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton.73.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works.....lb. .13 - .16
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .11½- .12
l.c.l., works.....lb. .14 - .15
grd., dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .34½- —
smaller lots.....lb. .35½- —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs.....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.25 - —
l.c.l., same basis.....ton.26.25 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines. ton.17.50 - —
95.75, bgs., mines.....ton.18.00 - —
Ore, approx. 34X $BaSo_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.25 - 1.30
Root, bls.....lb. 1.35 - 1.40
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .18 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .20½- .26
Peroxide, pure, gran., fib. ctns, works..lb. .90 - 1.05
Benzyl acetate, f.f.c., cns....lb. .60 - .75
dms.....lb. .55 - .60
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., dms.....lb. 1.00 - 1.15
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 4.35
Formate, cns.....lb. 2.15 - 2.50
Propionate, bots.....lb. 1.65 - 2.45
Salicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....flb. 2.00 - 2.70
Benzyliseugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .80 - .84
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works.....lb. .23 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.35 - —
95%, dms., works.....lb. 2.05 - —
98-99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .45 - .50
Bismuth chloride, bots.....lb. 3.00 - —
jars.....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.90
jars.....lb. 2.76 - —
Hydroxide, bots.....lb. 2.41 - 2.46
cns.....lb. 2.85 - —
Metal, ton lots.....lb. 1.60 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns.....lb. 1.30 - —
Oxychloride, bots.....lb. 2.14 - 2.19
cns., dms., kgs.....lb. 2.10 - —
Subbenzoate, bots.....lb. 2.51 - —
fib. dms.....lb. 2.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.52
bots., cns.....lb. 1.50 - 1.60
X-ray, 5-lb. bots.....lb. 2.70 - —
fib. dms.....lb. 2.72 - —
Subgallate, NF, bots, cns...lb. 1.40 - 1.42
fib. dms.....lb. 1.40 - 1.42
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.12 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.22
bots.....lb. 1.20 - 1.25
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb. cans.....lb. 2.54 - 2.59
Sulphocarbolate, bots.....lb. 2.71 - 2.74
fib. dms.....lb. 2.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 2.40 - —
cns.....lb. 2.45 - 2.50
Black, acetylene, bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .16 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .19 - —
3, bgs., bbls., c.l., same basis. lb. .21 - —
4, bgs., bbls., c.l., same basis. lb. .23½- —
490A, bgs., bbls., c.l., same basis..lb. .09½- —
457, bgs., bbls., c.l., same basis..lb. .11¼- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon, channel, compressed, beads, bulk, c.l., works. lb. .05¼- —
bgs., c.l., works.....lb. .05¾- —
l.c.l., works.....lb. .06½- —
dlvd. or whse.....lb. .0970- —
uncompressed, regular, bgs., c.l., works..lb. .06½- —
bgs., ctns., l.c.l. dlvd. or whse..lb. .1020- —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works..lb. .03¼- —
ctns., l.c.l., whse.....lb. .06 - —
Thermatomic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .09½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .06½- —
Lamp, 1, ctns., c.l., works..lb. .05¾- —
l.c.l., works.....lb. .09 - —
2, ctns., l.c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¾- —
4, ctns., c.l., works.....lb. .16¼- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .21 - —
6, ctns., c.l., works.....lb. .26¼- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs.....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .83 - .84
Tree bark, bls.....lb. .35 - .40
Black Indian hemp root, bls..lb. .58 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis....ton.40.00 - —

WANTED

Sodium Sulfide 60-62%

Flake, Solid or Chips
Any quantity from
one drum to a carload

or

Will exchange
Sodium Sulphohydrate
for Sodium Sulphide

ALSO WANTED TO BUY

ACETIC ANHYDRIDE
CASTOR OIL
CAUSTIC SODA
CHROMIC ACID
DIETHYLENE GLYCOL
ETHYLENEDIAMINE
ETHYLENE GLYCOL
FORMALDEHYDE
GLYCERINE
HYDROGEN PEROXIDE 100 vol. 130 vol.
LACTIC ACID 50% Edible
METHANOL (Methyl Alcohol)
PARAFORMALDEHYDE
POTASSIUM BICHROMATE
PROPYLENE GLYCOL
SODA ASH
SODIUM BENZOATE
SODIUM BICHROMATE
SODIUM FORMATE
SODIUM PERBORATE
SUCCINIC ACID
TITANIUM DIOXIDE
ZINC SULPHIDE
ZINC OXIDE

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324
CABLE—"WILNEUBERG"

Bleaching powder,[3] dms., c.l., works..100 lbs. 2.80 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.80
Blood,[3,7] dried, 16-16½% ammo., bgs., unit-ton. 10.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 10.00 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls. .....lb. .55 - .60
Blue,[3] alkali, dry, bbls., divd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. .85 - .90
Celestial, bbls., same basis...lb. .10 - .12
Chinese, bbls., same basis..lb. .35 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 2.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .35 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .38 - —
Blue, soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .25 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls.. lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis. lb. 1.83 - —
Synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blues dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Bluefing, root, bls.....lb. .60 - .65
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis....ton.44.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.50.00 - —
Chicago, works.....ton.55.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.55.00 - —
Chicago, works.....ton.65.00 —
Bone meal, steamed, fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.45.00 - —
Chicago, works.....ton.50.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. 16 - .17
Borage flowers, bls..... lb. .60 - .62
Borax, tech., 90½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.50.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
bgs., c.l., frt. alld....ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots,ex whse. ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate)
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .41 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brasilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 5.50 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
Bronze powder, gold, moulding, 100-lb. cans., dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls. .....lb. .21 - .24
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. 0235- —
Italian type, bbls., works. lb. .08¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .06¾- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0585- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles...lb. .05¾- —
Portland, San Francisco, Seattle..lb. .06¼- —
ex whse., Los Angeles. lb. .06¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - .38
Sulphate, cns., 100 ozs.....oz. .30 - .32
Bryonia root, bls.....lb. .55 - .60
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs. .....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .60
Burgundy pitch, dom., dms...lb. .14 - .15
Butane,[1] indust., tanks, Group 2, gal. .06½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .2314- —
l.c.l., same basis....lb. .2304- —
tanks, same basis....lb. .2214- —
tankwagon, same basis.. lb. .2284- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11½- —
l.c.l., same basis...lb. .12½- —
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., divd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. 16½- .17
tanks, divd.....lb. .15½- —
Stearate, dms.....lb. .31½- .35
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.33 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[5] ingots or sticks, divd. lb. 1.30 - 1.50
pat. shapes, cs., divd.....lb. 1.35 - 1.55
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more, lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.05
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs., futures. lb. .65 - .66
Calamus root, natural, dom., bls. lb. .45 - .50
imported, bleached, bls..lb. .70 - .85
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., divd.... 100 lbs. 3.60 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08¾
Bromide, N.F., jars.....lb. .65 - .70
Carbide,[4] dms., c.l., works.ton.80.00 - —
divd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., divd..ton.32.50 -35.00
l.c.l., divd.....ton.32.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-76%, dms., c.l., divd. ton.38.00 -34.50
l.c.l., divd.....ton.38.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, gran., bbls., lb. .32 - —
dms. .....lb. .57 - .60
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.80 - —

Let CALCO's large-capacity plants supply your Bulk Pharmaceuticals

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In CALCO'S extensive plants covering nearly 550 acres and employing nearly 5,000 trained technicians and operators every step from laboratories through to finished big-scale production is rigorously checked to insure an absolute uniform standard of quality.

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★ *Precise and complete analytical control*

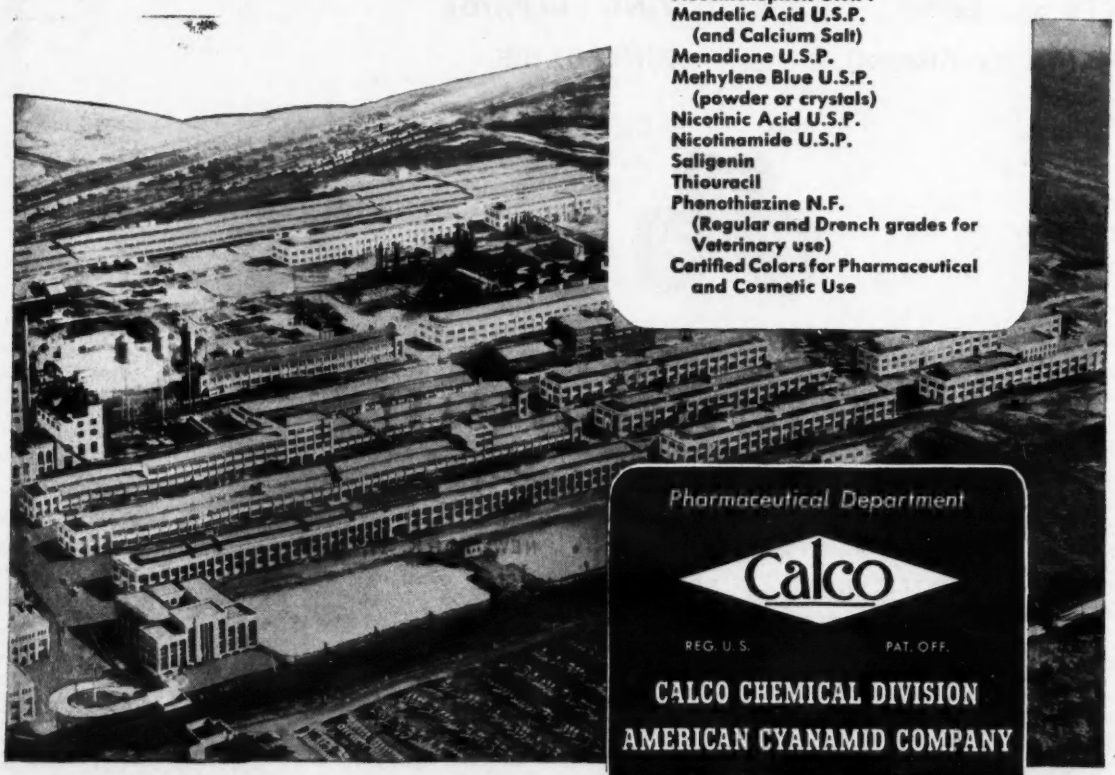
★ *Technical bulletins available*

★ *A technical service ready to assist in application problems.*

★ ★ ★

CALCO'S Bulk Pharmaceuticals

SULFADIAZINE U.S.P.
(powder or micro crystal)
. . . the Sulfa drug of choice
Sodium Sulfadiazine U.S.P.
Sulfamerazine
Sodium Sulfamerazine
Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine U.S.P.
Sodium Sulfapyridine
Aminoacetic Acid U.S.P.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Neocinchophen U.S.P.
Mandelic Acid U.S.P.
(and Calcium Salt)
Menadione U.S.P.
Methylene Blue U.S.P.
(powder or crystals)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Saligenin
Thiouracil
Phenothiazine N.F.
(Regular and Drench grades for Veterinary use)
Certified Colors for Pharmaceutical and Cosmetic Use



Pharmaceutical Department
Calco
REG. U. S. PAT. OFF.
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook, New Jersey

Calcium glycerophosphate, fiber dms., 1,000-lb. lots	lb.	1.25 - —
smaller lots	lb.	1.40 - 1.50
Hypochlorite, dms., dlvd. E. of Rockies	lb.	.22 - .30½
cans, in cases, same basis	lb.	.3778- .4225
Iodide, bots., jars	lb.	4.04 - 4.19
Lactate, edible, dms.	lb.	.21 - —
USP, bbls.	lb.	.86 - .87
Laurate, bbls.	lb.	.28 - .29
Mandelate, USP, dense, fluffy, works, dms.	lb.	2.05 - 2.20
Naphthenate, 4% Ca, 50-gal. dms.	lb.	.22½- —
Pantothenate, dos., 100-gram bots, works, per gram.		.19 - —
Phosphate, feeding grade, bgs., works	ton.	75.00 - —
food grade, bbls., 10 or over, works	lb.	.07 - .07¾
less than 10, works	lb.	.08 - .13
medicinal, dibasic, bgs. 100 lbs.		11.40 -16.00
monobasic, cryst., bgs., c.l., works, frt. equald.	lb.	.05¾- —
l.c.l., frt. equald.	lb.	.06 - .06½
tribasic, bbls., c.l., works.	lb.	.0635- —
bgs., l.c.l., works.	lb.	.0645- .0650
Resinate, precip., 5.3% Ca, 100-lb. dms.	lb.	.18½- —
Silicate, hydrated, c.l., bgs., works	lb.	.03½- —
l.c.l., works	lb.	.06 - —
Stearate, precip., ctns., 2,000 lbs. to c.l., works	lb.	.29½- —
l.c.l., works	lb.	.30½- —
Sulphate (see Gypsum).		
Sulphide, 70%, bgs., c.l., works	ton.	45.00 - —
90%, bgs., c.l., works	ton.	50.00 - —
luminous, tins, works	lb.	1.25 - —
Sulphocarbonate, bbls.	lb.	.49 - .50
Tallate, 3%-4% Ca, 50-gal. dms.	lb.	.12¼- .12½
Calcium-strontium sulphide, phosphorescent, dms., works	lb.	1.00 - 1.50
fine particle size, works	lb.	1.50 - 1.75
Calendula flowers, bls.	lb.	1.25 - 1.30
Calomel, bbls., dms.	lb.	2.44 - 2.48
Camphor, natural	lb.	No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works	lb.	.42 - —
10 bbls. (1,600 lbs.)	lb.	.44½- —
5 to 9 bbls.	lb.	.45 - —
1 to 4 bbls.	lb.	.46 - —
smaller lots	lb.	.48 - .55
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.69 - —
1,000-lb. lots	lb.	.70 - —
smaller lots	lb.	.71 - —
tablets, 2,000-lb. lots	lb.	.82 - —
1,000-lb. lots	lb.	.83 - —
smaller lots	lb.	.84 - —
Camphor, monobromated, dms.	lb.	2.20 - —
Canada balsam (see Fir balsam).		
Cantharides, Russian, bgs.	lb.	9.00 - —
Chinese, cs.	lb.	8.00 - 8.25
powd., bxs.	lb.	9.25 - 9.50
Capsicum (see Pepper, red).		
Capsium oleoresin, USP VII, cns.	lb.	4.60 - 4.65
Caramel coloring, bbls.	gal.	.70 - 1.10
Caraway seed, California, Dutch type	lb.	.25½- .26
Caraway seed, Canadian, bgs.	lb.	.25 - .25½
Danish, bgs.	lb.	.25½- .26
Dutch, bgs.	lb.	.25¾- .26¼
futures, bgs.	lb.	.26½- .27
Morocco, dewhiskered, futures, bgs.	lb.	.87 - .88
natural, bgs., futures	lb.	.83 - .84
Spanish, dewhiskered, bgs.	lb.	No stocks
Swedish, bgs.	lb.	.25½- .26
Syrian, dewhiskered, bgs.	lb.	No stocks
Carbazole, 95%, dms., ton lots, works	lb.	.70 - —
smaller lots, works	lb.	.80 - —
90%, dms., ton lots, works	lb.	.75 - —
smaller lots, works	lb.	.85 - —
Carbinol, butyl, norm. dms., l.c.l., works	lb.	.27 - —
secondary, dms., l.c.l., works	lb.	.60 - —
Isobutyl, dms., c.l., works	lb.	.22½- —
l.c.l., works	lb.	.23½- —
tanks, works	lb.	.21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works	lb.	.11¾- —
l.c.l., same basis	lb.	.12¼- —
tanks, same basis	lb.	.10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. all. E. of Miss R., N. of Ohio R.	lb.	.06 - —
l.c.l., same basis	lb.	.06¾- —
8-gal. dms., c.l., same basis.	lb.	.07 - .07½
l.c.l., same basis	lb.	.08 - .08½
Dioxide, vis.	lb	.04 - .05
Tetrachloride,[1] c.p., dms., c.l.	gal.	.96 - —
l.c.l.	gal.	1.01 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld.	gal.	.69 - .73
l.c.l., frt. alld.	gal.	.76 - .80
5 or 10-gal. dms., c.l., frt. alld.	gal.	.93 - .97
l.c.l., frt. alld.	gal.	1.03 - 1.07
Zone 2, 52½-gal. dms., c.l., frt. alld.	gal.	.76 - .80
l.c.l., frt. alld.	gal.	.83 - .87
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.03 - 1.04
l.c.l., frt. alld.	gal.	1.10 - 1.14
Zone 3, 52½-gal. dms., c.l., frt alld.	gal.	.90 - —
l.c.l., frt. alld.	gal.	.96 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.13 - —
l.c.l., frt. alld.	gal.	1.23 - —
Zone 4, 52½-gal. dms., c.l.,	gal.	.79 - .83
5 or 10-gal. dms., c.l.	gal.	.86 - —
l.c.l.	gal.	1.00 - —
USP, cbys.	lb.	.17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A. Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O, Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs.	lb.	1.65 - 1.70
medium, cs.	lb.	1.35 - 1.40
decorticated, Guatemala, cs.	lb.	1.15 - 1.20
India, cs.	lb.	1.15 - 1.20
green, Alleppey, bgs.	lb.	1.00 - 1.10
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units.		.50 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd.	gram.	2.85 - —
50 grams, dlvd.	gram.	2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works.	lb.	37.80 - —
80,000 USP units per gm., bots., works.	lb.	8.45 - —
dms., works.	lb.	7.65 - —
5,800 A units per gm., tins, works, 1,000,000 units.		.55 - —
dms., works., 1,000,000 units.		.50 - —
5,800 USP units per gm., dms., works.	lb.	.66 - .71
Carvol, bots.	lb.	16.00 -20.00
Cascara sagrada bark, bulk	lb.	.40 - .42
Case-hardening mixture, 30% gran., dms., l.c.l.	lb.	.09¾- —
slabs, dms., l.c.l.	lb.	.08¾- —
Casein,[1] dom., acid-precip., bgs., 10,000 lbs. or more, ship't point	lb.	.33 - —
2,000 lbs. or more, but under 10,000 lbs., same basis	lb.	.33¼- —
less than 2,000 lbs., same basis	lb.	.33¾- —
rennet-precip., bgs., 10,000 lbs. or more, same basis.	lb.	.24¼- —
2,000 lbs. or more, but under 10,000 lbs., same basis	lb.	.34¾- —
less than 2,000 lbs.	lb.	.35¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more	lb.	No prices
rennet-precip., unground, 100 bgs. or more	lb.	No prices
Cassia,[1] China buds, bgs., futures	lb.	.52 - .53
Kwangsi, broken, bls.	lb.	.29 - .29½
rolls, selected, cs.	lb.	.28 - .28½
extra select, broken, bls.	lb.	.27 - .28
Saigon, all medium, futures	lb.	.43 - .44
4-10-4, bls., futures	lb.	.42 - .43
Cassia fistula, bskts.	lb.	.26 - .28
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S. long ton.		118.00 - —
Oil (see Oil, castor).		
Pomace,[1] bgs., c.l., works unit-ton.		3.15 - 4.75
Castoreum, nat., cns.	lb.	12.00 -13.00
synthetic, cns.	lb.	10.00 - —
Catechol, CP, cryst., works, fib. dms., frt. alld.	lb.	1.90 - —
resublimed, works, frt. alld., dms.	lb.	3.25 - —
Catnep, bls.	lb.	.60 - .65
Celery seed, French, bgs.	lb.	1.00 Nom.
Indian, bgs.	lb.	.26 - .26½
Celluloid scrap (see Pyroxylin scrap).		
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.30 - —
granules, ctns., same basis	lb.	.35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.45 - —
1,000-4,900 lbs., frt. alld.	lb.	.46 - —
100-900 lbs., frt. alld.	lb.	.47 - —
smaller pkgs., works	lb.	.48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.43 - —
1,000-4,900 lbs., frt. alld.	lb.	.44 - —
Cellulose acetate-butyrate, medium (15.5 or 17.0%), 50-lb. ctns., 100-900 lbs., frt. alld.	lb.	.45 - —
smaller pkgs., works	lb.	.46 - —
Granules are 5c. per lb. higher, all quantities.		
Acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.45 - —
1,000-4,900 lbs., frt. alld.	lb.	.46 - —
100-900 lbs., frt. alld.	lb.	.47 - —
smaller pkgs., works	lb.	.48 - —
Granules are 5c. per lb. higher all quantities.		
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.30 - —
Cerium hydrate, dms., works	lb.	1.00 - —
Oxalate, NF, bbls., kgs., works.	lb.	.50 - .52
Oxide, optical grade, kgs., 100-lb. lots, works	lb.	1.50 - —
bgs., smaller lots, works	lb.	2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works	lb.	.02¾- —
paint and other industries, bgs., c.l., works	ton.	40.00 - —
papermakers, bgs., c.l., works.	ton.	82.50 - —
rubbermakers, bgs., c.l., works	ton.	80.00 - —
Chamomile, Hungarian type, cs.	lb.	.90 - .95
Roman, bls., futures	lb.	1.45 - 1.50
Charcoal, hardwood, lump, bulk, c.l., works	ton.	33.00 -39.50
bur. bgs., included, c.l., works	ton.	41.50 -46.00

Spot Deliveries

BLEACHING POWDER 35% - 37%
ZINC CHLORIDE Granular
SODIUM PERBORATE U.S.P.
ZINC OXIDE
CITRIC ACID
SODIUM SULPHIDE Flakes
MAGNESIUM METAL POWDER High Purity
SODIUM SULPHITE Anhydrous
COPPER SULPHATE
HEAVY CALCINED MAGNESIA White
SODIUM BISULPHITE
POTASSIUM PERMANGANATE
SODIUM HYDROSULPHITE

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Charcoal, hardwood, briquets, bulk, c.l., works..ton.44.50 -49.80
bgs., c.l., works.....ton.49.80 -50.80
granular, all grades, bgs., works..ton.46.80 -49.80
screenings, bgs., works....ton.81.20 -83.15
Pinewood,[7] lump, bgs., c.l., Southern shipping point.ton.20.00 -24.00
granular, powd., bgs., c.l., works, South..ton.30.20 -34.20
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] standard, 25% tannin, bbls., c.l., works. 100 lbs. 3.82 - 4.60
l.c.l., works.....100 lbs. 4.07 - 4.85
tanks, works.....100 lbs. 3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 9.02 - 9.96
l.c.l., wo.rks..100 lbs. 9.77 -10.71
Chillies (see Pepper, Red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse. ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .96
dms. .....lb. .90 - .96

Chlorinated rubber[6] standard, ctns., 100 lbs. up, works.lb. .83 - —
smaller lots, works.....lb. .85 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.c.....lb. .06½- —
contracts .....lb. .05½- —
l.c.l. .....lb. .07½- —
Chlorine, liquid, tanks, single units, works, frt. equald. 100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180 lb. cyl., 100-lb. cyls., same basis..lb. .33 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms., works. lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms., works..lb. 3.00 - 3.10
Chrome acetate, powd., 25% Cr., bbls., works..lb. .33 - .34
ton lots, works.....lb. .30 - .32
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots. .....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., can..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No price
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices

Cinchopen, NF, heavy, dms., works..lb. 3.70 - 3.80
standard, dms., works.....lb. 3.80 - 3.90
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .85 - 1.00
Cinnamon,[1] Ceylon, O, bls., fu-tures..lb. .5700- —
OO, bls, futures.....lb. .5620- —
OOO, bls., futures.....lb .5900- —
OOOO, bls., futures.....lb. .5900- —
No. 1, bls., futures.....lb. .5625- —
2, bls., futures.....lb. .5535- —
3, bls., futures.....lb. .5535- —
4, bls., futures.....lb. .5335- —
Citral, bots., cns.....lb. 6.75 - 7.00
Citrine, ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove, Madagascar, bls.....lb. .14½- .15
futures, bls. .....lb. .14½- .14¾
Zanzibar, bls. .....lb. .15¾- .16¼
futures, bls.....lb. .15 - .15½
Clover tops, red, dom., bgs....lb. .65 - .70
imported, bgs. .....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
tanks, works .....gal. .07½- .08½
refd., 50-gal., bbls., c.l., works. bbl. 8.75 - —
l.c.l., works .....bbl. 9.25 - —
tanks, works .....gal. .08½- .09½
water-gas, crude, 55-gal. dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....db. 8.75 - —
refd., 55-gal. dms., c.l., works. dm. 8.75 - —
l.c.l., works.....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .23¾- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.53 - —
feed grade, 23% Co, kgs....lb. 1.85 - —

Cobalt chloride, kgs., works...lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.35 - —
Linoleate, paste, 8%, dms...lb. .33 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.35 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .33½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, ozs..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Tenerife, bgs.....lb. .47 - .49
Cocoa butter,[1,7] bulk, ship. pt..lb. .25 - —
Cocillana bark, bgs.....lb. .60 - .61
Codeine, ozs., 100 ozs.....oz.11.70 - —
Hydrochloride, ozs., 100 ozs.oz.10.50 - —
Phosphate, ozs., 100 ozs.....oz. 9.00 - —
Sulphate, ozs., 100 ozs.....oz. 8.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .32 - .33
blue, bls.....lb. .34 - .35
Colchinine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .23½
Flexible, USP, dms.....lb. .31 - .32
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .52 - .53
Colombo root, bls.....lb. .12 - .14
Coltsfoot leaves, bgs.....lb. .70 - .75
Condurango bark, bgs.....lb. .18 - .19
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .95 - 1.00
Copper acetate, cupric, bbls., works..lb. .25¾- —
smaller containers, wks..lb. .27 - —
Carbonate, 53-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14½- .17
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. .34 - .38
Metal,[1] electrolytic.....lb. .14½- —
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate, tech., cryst., bbls..lb. .19½- .20½
Oleate, precip., bbls.....lb. .22½- .23½
Oxide, black, bbls., works...lb. .19 - .20
red, com'l, bbls., works....lb. .31 - .34½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .18½- —
Stearate, bgs., works.....lb. .33½- —
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.65 - —
l.c.l., 700 to 36,000 lbs... 100 lbs. 5.80 - 6.15
monohydrated, dms., c.l., dlvd. 100 lbs.10.10 - —
l.c.l., dlvd.....100 lbs.10.35 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra.[1,7] Coast, ship't.....ton.109.50 - —
Coriander seed, Argentine, bgs lb. .06½- .06¾
Indian bgs.....lb. No Stocks
Italian, bgs., futures.....lb. .06 - .06½
Morocco, bgs.....lb. .06 - .06½
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l..100 lbs. 6.087 - —
bbls., c.l. .....100 lbs. 6.131 - —
Syrup, 42°, bbls., c.l....100 lbs. 6.497 - —
l.c.l. .....100 lbs. 6.597 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .40 - .45
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[7] 41% protein, bulk, mills, c.l..ton.100.00 - —
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .90
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .51½- —
smaller lots, bbls., kgs., lb. .53 - .53½
Creosote carbonate, bots., cbys., lb. 2.10 - 2.20
Coaltar (see Cresol).
Oil,[6] coaltar, crude, tanks, works..gal. .15½- .16½
refined, dms., c.l., works, gal. .247 - .265
l.c.l., same basis....gal. .26 - .31
tanks, same basis....gal. .18 - .19½
solution, tanks, works....gal. .141 - .149
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, N.F., bots., cbys. lb. .60 - .77
Pine, dms.....gal. .31 - .32
Cresol,[6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., same basis..lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .13 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .06½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .36 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culvers root, bls.....lb. .40 - .45
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .35½- .36
Morocco, bgs. .....lb. No stocks
Persian, bgs., futures.....lb. .35 - .35½
Syrian, bgs., futures.....lb. No stocks
Cutch, bgs. .....lb. No stocks
Cyanamide,[6] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works .....lb. .11 - —
tanks, works .....lb. .09½- —
Cyclohexanol, 98%-100%, dms., works..lb. .21 - .23

BENZYL BENZOATE

DDT (Government Specifications)

ERGOSTEROL (Non Irradiated)

TRICRESYL PHOSPHATE (All Grades)

p-AMINO HIPPURIC ACID

MONTROSE *Chemical Company*
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS **R. W. GREEFF & CO., INC.** 10 ROCKEFELLER PLAZA, NEW YORK, N.Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works .....lb. .30½ -
tanks, works .....lb. .29 - —
Cyclopropane, USP, cyls., divd., gal. .37 - —

D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works...lb. .55 - .60
Decanol, normal, tech., dms., divd..lb. .35 - —
Deertongue, bls. .....lb. .34 - .35
Defluorinated phosphate,[1] paper bgs., works..ton.55.73 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .26 - .26
over 2% ffa, bbls.....lb. .24 - .26
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 7.701 - —
l.c.l. .....100 lbs. 7.861 - —
Chicago, bgs., c.l....100 lbs. 7.33 - —
Corn, canary, bgs., c.l...100 lbs. 7.441 - —
l.c.l. .....100 lbs. 7.541 - —
Chicago, bgs., c.l...100 lbs. 7.04 - —
dark, bgs., c.l.....100 lbs. 7.541 - —
l.c.l. .....100 lbs. 7.641 - —
Chicago, bgs., c.l..100 lbs. 7.14 - —
white, bgs., c.l.....100 lbs. 7.291 - —
l.c.l. .....100 lbs. 7.391 - —
Chicago, bgs., c.l..100 lbs. 6.89 - —
Potato, dom., bgs., c.l.....lb. .17 Nom.
l.c.l. .....lb. .17½ Nom.
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.50 - 5.55
laboratory grade, bots..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., divd..lb. .2170- .2200
l.c.l., divd. .....lb. .2220- .2250
tanks, divd. .....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic Coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific Coast. ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l. .....lb. .04 - .05
Dibutyl phthalate,[1] 5-gal. cns., works..lb. .2960- —
1-gal. cns., works.....lb. .3160- —
dms., c.l., works.....lb. .2000- .2510
l.c.l., works.....lb. .2050- .2560
tanks, works.....lb. .1900- .2410
Sebacate,[1] dms., c.l., works..lb. .5570- —
l.c.l., works.....lb. .5620- —
tanks, works.....lb. .5470- —
Tartrate, dms., works, frt. alld. lb. .93 - 1.00
Dibutylamine, dms., c.l., works.. lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichlorethane (see DDT).
Dichlorethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½ -
l.c.l., same basis.....lb. .24½ -
tanks, same basis.....lb. .22½ -
Diethyl carbonate, com'l, dms..lb. .25 - —
refd., 90%, dms.....lb. .50 - —
Oxalate, dms., c.l., divd.....lb. .20½ -
l.c.l., divd.....lb. .21 - —
Phthalate,[6] dms., c.l., divd..lb. .21½ -
l.c.l., divd.....lb. .22 - —
tanks, divd.....lb. .20½ -
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .44 - —
l.c.l., works.....lb. .46 - —
tanks, works.....lb. .40 -
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniline, dms.....lb. .60 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .23 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½ -
l.c.l., works.....lb. .16½ -
tanks, works.....lb. .14½ -
Digitalis leaves, dms.....lb. 1.05 - 1.10
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .28 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.10
Di-isobutyl ketone, dms., works. lb. .19 - —
Dilliseed, natural, afloat, bgs...lb. .10¼ - 10¾
decorticated, bgs.....lb. .14 - .14½
dewhiskered, bgs.....lb. .11 - .11¼
Dimethyl phathalate, dms., c.l., divd..lb. .20 - —
l.c.l., divd.....lb. .20½ -
tanks, divd.....lb. .19 - —
Dimethylamine, dms., works, frt. alld. E. of Miss..lb. .37 - .47½
tanks, same basis.....lb. .36 - —
Dimethylaniline, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .06 - —
Diorthotolylguanidin, dms., ton lots, divd..lb. .44 - —
smaller lots, divd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., divd. E..gal. .70 - .71
tanks, divd. E.....gal. .60 - .61
steam-dist., dms., divd. E..gal. .71 - .75
tanks, divd. E.....gal. .62 - .63
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .46 - .50
dms. .....lb. .43 - .45
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .25 - —
smaller lots.....lb. .26 - .27

Divi-divi,[1,6] 42% tannin, c.i., U.S. ports, ex dock..ton.70.00 -71.00
38% tannin, c.i., same basis.. ton.68.00 -69.00
Doggrass root, dom., cut, bls.lb. .20 - .22
imp., NF, cut, bls.....lb. .48 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns.....lb.13.00 - —
Green, FD&C, No. 1 cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns...lb. 2.90 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 3, cns.....lb. 3.05 - —
No. 4, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1 cns..lb. 3.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns.....lb. 9.35 - —
Blue, D&C, No. 4, cns .....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns.....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 5, cns....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.35 - —
Red, D&C, No. 6, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb.16.35 -
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.10.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 35, cns.....lb.13.35 - —
No. 37, cns.....lb.12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns.....lb.21.35 - —
No. 6, cns.....lb. 7.35 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G....lb. .68 - .70
40 Chrome yellow R.....lb. .80 - 1.00
58 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .58 - .59
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, pasto..lb. .88 - .99
189 Lake red R, powd....lb. 2.00 - 2.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .43 - .45
206 Fast red blue R....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow .....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .75
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
466 Benzo purpurin 10B..lb. .40 - .50
lb. .35 - .50
502 Direct azerin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
530 Direct pure blue.....lb. .50 - 1.00
539 Direct fast black FF.lb. .55 - 1.00
561 Direct black EW.....lb. .50 - .54
563 Direct black RX.....lb. .35 - .45
582 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 2GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
626 Acid violet .....lb. 1.00 - 3.00
612 Primulin .....lb. .70 - .73
614 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .85 - .90
1177 Indigo, 20%, paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black .....lb. .20 - .25
Sulphur blue .....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon ....lb. .40 - —
Sulphur tan .....lb. .30 - .50
Sulphur olive .....lb. .35 - .54
Sulphur yellow ....lb. .30 - .50
Zambesi black.....lb .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives ...lb. .34 - .44
Blue—
7075 Alizarin astral base...lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —

In the good old summer time —

For millions of Americans, young and old, sunny skies and balmy weather are synonymous with the pleasures of swimming . . . the relaxation of a cooling dip, or the exhilaration of a fast crawl.

Columbia products help to keep swimming the grand care-free recreation it is. Pittchlor* rids captive water of dangerous bacteria, keeps locker rooms, showers and other facilities free of infection . . . just as Pittchlor and Columbia Liquid Chlorine are used to assure pure drinking water for millions *every day.*

*PITTCHLOR—a 70%, high-test calcium hypochlorite of good stability in the form of dry, white granules—is a convenient way to put chlorine to work for disinfecting, deodorizing, sterilizing and bleaching. Used by food plants, dairies, laundries, sewage plants, etc., or wherever the oxidizing power of chlorine is desired.

COLUMBIA CHEMICALS
PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
FIFTH AVENUE AT BELLEFIELD, PITTSBURGH 13, PENNA. · Chicago · Boston · St Louis
Pittsburgh · New York · Cincinnati · Cleveland · Philadelphia · Minneapolis · Charlotte · San Francisco

COLUMBIA ESSENTIAL INDUSTRIAL CHEMICALS
Soda Ash · Caustic Soda · Liquid Chlorine · Sodium Bicarbonate · Pittchlor · Silene EF (Hydrated Calcium Silicate) · Calcium Chloride · Soda Briquettes (Iron Desulphurizer) · Modified Sodas · Caustic Ash · Phosflake (Bottle Washer) · Calcene T (Precipitated Calcium Carbonate)

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Brown—
Brown ..... lb. 1.15 - —

Green—
1078 Alizarin cyanin green. lb. 5.00 - —
Green ..... lb. .75 - —

Orange—
24 Sudan I ..... lb. .75 - —
Red shade ..... lb. .75 - —

Red—
75 Sudan II ..... lb. 1.65 - —
258 Sudan IV ..... lb. .85 - —
680 Oil violet ..... lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base.. lb. $6.00 - —

Yellow—
15 Amidoazobenzene yellow.. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB..... lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B..... lb. 1.85 - —
861 Indulin ..... lb. .87 - —
873 Methylene gray..... lb. 1.50 - —
909 New blue F..... lb. 1.20 - —
922 Methylene blue..... lb. 1.00 - —
1054 Alizarin saphirol B.... lb. 1.90 - —
1130 Indigotin IA..... lb. .85 - —

Blue—
714 Patent blue A..... lb. 1.05 - 1.10

Dyes, coaltar, for stains, spirit-soluble (price in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Brown—
231 Bismarck brown G..... lb. .47 - .63
234 Resorcin brown Y..... lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
652 Bismarck brown R.... lb. .47 - .63
792 Phosphin ..... lb. 4.65 - —

Green—
5 Naphthol green B..... lb. 1.00 - —
657 Malacrite green..... lb. 1.85 - —
662 Brilliant green..... lb. 2.00 - —
666 Guinea green B..... lb. 1.15 - —
737 Wool green S..... lb. .78 - —
924 Methylene green B.... lb. 1.55 - —
1078 Alizarin cyanin green.. lb. 2.00 - —

Orange—
10 Chrysodin G..... lb. .44 - —
21 Chrysodin R..... lb. .41 - —
27 Orange G..... lb. .50 - —
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .66 - —
151 Orange T..... lb. .31 - .35
161 Orange R..... lb. .34 - —

Red—
79 Ponceau R..... lb. .48 - —
88 Fast red R..... lb. 1.65 - —
176 Fast red A..... lb. .54 - —
179 Azorubin ..... lb. .60 - —
183 Crocein scarlet 3BX.... lb. .72 - .75
185 Cochineal red A..... lb. 60 - —
252 Brilliant crocein M.... lb. .68 - —
677 Fuchsin ..... lb. 2.10 - —
749 Rhodamine B..... lb. 3.50 - —
752 Rhodamine 6B..... lb. 4.50 - —
768 Eosin G..... lb. 1.50 - —
841 Safranin ..... lb. 1.45 - —

Dyes, coaltar, for stains, spirit-soluble (price in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse)

Violet—
680 Methyl violet B..... lb. .70 - .75
681 Crystal violet B..... lb. 1.75 - —
695 Acid violet 4BN..... lb. .65 - —

Yellow—
10 Naphthol yellow S..... lb. .53 - —
188 Metanil yellow..... lb. .56 - .58
436 Fast light yellow..... lb. 1.25 - —
639 Xylene light yellow.... lb. 1.15 - —
640 Tartrazin ..... lb. .80 - —
655 Auramine ..... lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
864 Nigrosin ..... lb. .36 - .44

Blue—
860 Indulin ..... lb. .69 - .70

Brown—
331 Bismarck brown..... lb. 1.50 - —

Green—
637 Malachite green base.. lb. 2.00 - —

Orange—
20 Chrysoidin G..... lb. .95 - —
21 Chrysoidin R..... lb. .98 - —

Red—
677 Fuchsin, magenta, base.. lb. 7.25 - —
749 Rhodamine R..... lb. 4.75 - —

Yellow—
67 Amidoazotoulene yellow.. lb. .75 - —
655 Auramine ..... lb. 2.00 - —
800 Chinolin yellow SS..... lb. 2.00 - —

Violet—
680 Methyl violet base.... lb. .55 - —

Dyes, natural (see name of article).

E

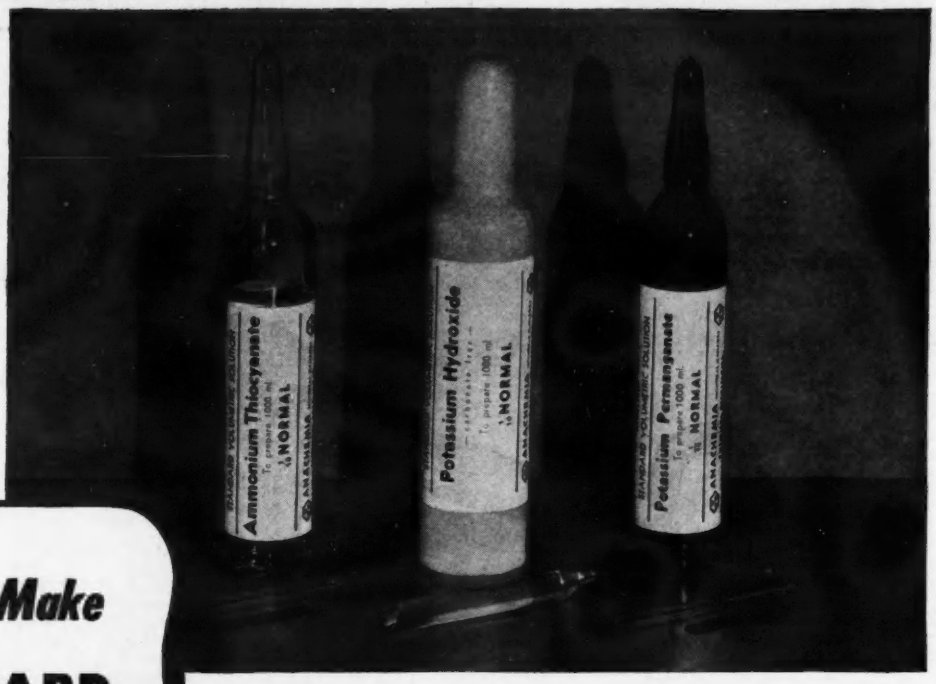
Echinacea root, bls..... lb. .70 - .75
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls.... lb. 1.05 - 1.06
imported ..... lb. No stocks
Elder flowers, bright, bls..... lb. .75 - .80
Elecampane root, bls..... lb. .45 - .50
Elm bark, grinding, bls..... lb. .32 - .34
powd., bbls., bxs..... lb. .55 - .56
select, bndls. ..... lb. .55 - .56
Emetine hydrochlorids, bots..oz. 53.50 -56.00
Ephedra, bls..... lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.62
Hydrochloride, tins ..... oz. .95 - 1.45
Sulphate, tins ..... oz. .95 - 1.45
synthetic, USP, anhydrous, bots..100 ozs. .65 - —
hydrous, bots, 100 ozs....ozs. .65 - —
Hydrochloride, tin, 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots. gram. .70 - .95
Epsom salt, tech., cryst., bgs., c.l...100 lbs. 1.80 - 1.95
l.c.l. ..... 100 lbs. 2.15 - 2.40
dried, bgs..... lb. 03½- —
l.c.l., bgs..... lb. .04 - .07
USP, cryst., bgs., l.c.l.100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l. ..... 100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l. ..... 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns..... lb. 1.65 - 1.70
Eserine, bots..... oz. No prices
Sulphate, bots..... oz. 5.00 - —
Ether, sweta (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., divd..... lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots., 100 lbs..lb. .98 - 1.15
Sulphuric, cons., dms..... lb. .11 - .14
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .63
Synthetic, dms., c.l., frt. alld. lb. .11 - —
l.c.l., same basis ..... lb. .12 - —
tanks, same basis..... lb. .09 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .12¾- —
l.c.l., frt. alld..... lb. .13¼- —
tanks, frt. alld..... lb. .11¾- —
95-98%, dms., c.l., frt. alld. lb. .13 - .13¾
l.c.l., frt. alld..... lb. .13¼- .13¾
tanks, frt. alld..... lb. .12 - .12¾
99%, dms., c.l., frt. alld. lb. .13 - .13¾
l.c.l., frt. alld..... lb. .13¼- .13¾
tanks, frt. alld..... lb. .12 - .12¾
synthetic, 85-90%, dms., c.l., frt. alld..lb. .09½- —
l.c.l., frt. alld..... lb. .10 - —
tanks, frt. alld..... lb. .08½- —
95-98%, dms., c.l., frt. alld. lb. .09¾- —
l.c.l., frt. alld..... lb. .10¼- —
tanks, frt. alld..... lb. .09¾- —
N.F., dms..... lb. .14½- .15¼
Acetoacetate, dms., c.l., works. lb. .87½- —
l.c.l., frt. alld..... lb. .94 - —
Benzoate, bots. ..... lb. .50 - .52
Bromide, tech., dms..... lb. .50 - .55
Carbamate, dms., dvid. E... lb. .53 - —
Chloride, tech., dms..... lb. .13 - .20
USP, bbls., cyl..... lb. .20 - .27
Cinnamate, cns. ..... lb. 2.65 - 3.00
Formate, dms., Agnue, Calif., lb. .20 - .22
Iodide, bots..... lb. 3.50 - 3.60
Lactate, dms., works..... lb. .23½- .25¾
Myristate, dms., works..... lb. .55 - —
Oenanthate, dms..... lb. 1.10 - 1.15
Oleate, dms., l.c.l., works. lb. .47 - —
Oxalate, dms., frt. alld..... lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .80 - —
smaller lots, works..... lb. .83 - .88
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld..lb. .0843- —
West of Rockies..lb. .0691- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0891- —
West of Rockies..lb. .0841- —
tanks, frt. alld. E. of Rockies, lb. .0743- —
West of Rockies..lb. .0793- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt alld. in E... .10 - —
l.c.l., same basis..... lb. .11 - —
tanks, same basis..... lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works ..... lb. .18½- —
tanks, works ..... lb. .16½- —
Monoethylether, dms., c.l., works..lb. .15½- —
l.c.l., works ..... lb. .16½- —
tanks, works ..... lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., works ..... lb. .14½- —
tanks, works ..... lb. .12½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works ..... lb. .17½- —
tanks, works ..... lb. .15½- —
Ethylethanolamine, dms., c.l., wks. lb. .87 - —
l.c.l., works ..... lb. .90 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots. ..oz. 10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
smaller lots ..... lb. 5.50 - 5.60
Eucalyptol, cns., dms..... lb. 2.25 - 2.35
Eucalyptus leaves, bls..... lb. .14 - .15
Eugenol, cns., dms..... lb. 2.65 - 2.75
Euphorbia, bls..... lb. .20 - .22

F

Feldspar, enamel, 100 mesh..ton. 17.00 -20.50
bulk, c.l. ..... ton. 14.00 -17.00
glass, 30 mesh, bgs., works, min. 2 tons..ton. 12.75 -16.25
bulk, c.l. ..... ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton. 20.00 -23.00
bulk, c.l., works..... ton. 17.00 -19.00



How to Make STANDARD VOLUMETRIC SOLUTIONS in a Few Minutes

. . . . Just Dilute Acculute

Acculute is a concentrate. By the simple process of transferring Acculute to a volumetric flask and diluting, a standard volumetric solution can be quickly prepared.

Acculute solutions are contained in sealed ampoules and come to you in clear or amber chemically resistant glass, or wax depending upon the properties of the solution. Acculute solutions of lower normalities are sealed in 50 ml ampoules and those of higher normalities are sealed in 100 ml and 150 ml ampoules. Acculute solutions of all normalities in these sealed containers hold exact quantities of reagents in concentration so that when contents are diluted to 1000 ml with distilled water, the stated normality results.

Acculute solutions in sealed ampoules are convenient to store and remain stable indefinitely . . . . and the standard volumetric solutions prepared with them are dependable.

Complete instructions for preparing Acculute and a formed glass rod for opening are supplied with each ampoule. Advice concerning end points, titrations and scientific references are supplied with each unit.

Necks of all glass ampoules are pre-scratched so that an ampoule can be easily split into two parts by merely heating the glass rod supplied with it, and applying the heated rod to the scratch. Wax ampoules (containing alkali solutions carbonate free) are opened by simply passing the heated rod through the head.

Write for bulletin giving complete listing, prices and discounts.

E. H. SARGENT & CO., 155-165 East Superior St., Chicago 11, Illinois

Michigan Division: 1959 E. Jefferson, Detroit 7, Mich.

SARGENT

SCIENTIFIC LABORATORY SUPPLIES

FMC

MIDSUMMER BULLETIN

MODERN LATE MODEL

CHEMICAL — FOOD and PROCESSING

EQUIPMENT

ACCUMULATORS

1 Complete Watson Stillman Installation with two 10 H.P. Boilers—high and low pumps, etc.
1 Accumulator alone—8 ton, high and low pressure.

AUTOCLAVES

4 Horizontal Autoclaves—double door 5' x 11' with 2 roll-in trucks.
4 Vertical Jacketed Autoclaves 4' x 6'.
3 Forged—Welded Autoclaves 300 PSI 6' x 21'.
1 Blaw Knox 125 Gal. Welded Steel Autoclave 3' x 3' Jacketed and Agitated.
1 Devine Autoclave or Impregnator, Jacketed 31" x 36".
1 Seamless Steel Autoclave 1200 PSI 29" x 9' agitated.
1 Blaw Knox Autoclave 30" x 60", Bolted cover—1000 PSI.

CALENDARS

1 Farrell Birmingham 4 Roll Unit, 10" x 26"—with 15/30 H.P., AC Motor.
1 F-B 3 Roll Calendar 14" x 32" with 25 H.P. motor.
1 F-B 3 Roll Calendar 18" x 48".

CENTRIFUGALS

1 Tolhurst 40" Stainless Steel Basket Centrifugal Extractor with 25 H.P. motor.
1 Tolhurst 40" with Bronze Basket with 10 H.P.
1 Bird 40" Suspended Type Extractor with 2 Speed, 25 H.P. motor.
4 Troy, American, Tolhurst Laundry Type Centrifugal Extractors, 20" to 30" —Bronze and Iron Baskets.
1 Sharples No. 6 Centrifuge tinned contact parts—clarifier type.

COLLOID MILLS

3 Premier Colloid Mills from 3 to 40 H.P. motors.
2 Chemi-Colloid Mills 3 and 10 H.P.
3 U. S. Horizontal Colloid Mills—1½ to 15 H.P. double motored units.
4 Eppenbach Colloid Mills ½ to 5 H.P.
1 Bartlett & Snow No. 1 Triple Action Colloid Mill—7½ H.P.

COLUMNS

1 Copper Alcohol Distillation Unit, 36" Diameter—23' high—bubble cap, Sectional type.
1 Steel Alcohol Concentrating Column 62" Diameter having 24 sections 14" high—cap. 400 gal. 190 proof.
1 Steel Fractionating or Bubble Cap Column—30" Diameter x 32' high.

COMPRESSION BELTS OR SEALERS

4 Standard Knapp Units, 10' and 20'.

CONDENSERS

1 Copper Single Pass Condenser 18" x 8' long with 1¼" Copper Tinned Tubes—105 sq. ft.
1 Devine Iron Surface Condenser 8" x 57" with receiving tank.
1 Aluminum Condenser 9'6" long having 64 tubes ¾"—or 150 sq. ft.
2 Surface Condensers or Heat Exchangers—each unit has 5256 tubes—1"—and 17' long 2800 sq. ft.
1 Surface Condenser having 1100 tubes ¾" x 18' long.

DICERS

5 Sterling Model 1 D Dicers with extra sets of dies: B.D.
1 Anderson Dicer complete with motor and dies.

DRYERS

5 Buffalo and Devine Vacuum Shelf Dryers, several sizes
1 Ross 4 Pass Continuous Conveyor Dryer, 60' long, with accessories.
2 Proctor & Schwartz 80 Tray Dryers, 34" x 7' x 6'10".
3 Double Drum Atmospheric Dryers, 27½" x 63".
1 Devine Double Bronze Drum Dryer, 3' x 9', with 25 H.P. motor.
1 Buffalo Single Drum Chrome plated Dryer, 5' x 6' with auxiliaries.
1 Buffalo Double Drum Dryer, 32" x 72".
1 Buffalo 5' x 12' Rotary Drum Dryer.
2 Vacuum Drum Dryers, 48" x 40" (1 iron, other bronze, chromed).
1 Buffalo Vacuum Drum Dryer, 5' x 20'.
1 Rotary Vacuum Dryer, 3' x 18' with auxiliaries.
2 Galland & Henning Steam Tube Dryers, 6' x 30'.
1 Gehnrich Gas Dryer 41" x 58" x 30½".
2 Stokes Laboratory Size Vacuum Shelf Dryers.

EVAPORATORS

1 Swenson Single Effect Aluminum Evaporator 3'2" x 5'6" with 200 Aluminum tubes ⅞" x 4'—with Vacuum Pump and Aluminum receiver.
2 Lillie Evaporators 5' x 10' all Copper with 140 - 3" copper tubes.
1 Buffalo Single Effect Stainless Steel Evaporator, rapid circulating type with pump and condenser.

Immediate Shipment

STOKES and COLTON TABLET MACHINES
Single Punch and Rotary

2 BUFLOVAK VACUUM SHELF DRYERS
20 Shelf—60" x 160" with Accessories

2 Fully Automatic STRAIGHT LINE LABELLERS
Pneumatic and Weeks-MacDonald

8 Copper 300 Gal. Steam Jacketed KETTLES

STAINLESS STEEL JACKETED KETTLES IN STOCK!

WANTED

YOUR SURPLUS EQUIPMENT

—

SEND US YOUR LIST

FILLERS (DRY POWDERS)

1 Stokes & Smith Model G1 Universal Semi-Automatic.
1 Triangle Model SN Auger type, Semi-Automatic.
1 National Packaging F2 Free Flowing Filler.
2 National Packaging Two Station, Automatic Auger Fillers.
3 Scott Scales and Hoepner Weigh Type Fillers.
1 Triangle Elec-Tri-Pack Filler, Free Flowing 3 oz. to 3 lbs.
8 Day, Spout-Waldron, Jeffrey and Howe, Sack and Barrel Packers.

FILTERS

1 Shriver 18" Wood Pl. & Fr. Filter Press.
1 Shriver Cast Iron 24" Pl. & Frame, Filter Press with pump and motor.
1 Shriver 30" C.I. Pl. & Fr. Filter Press.
1 Industrial all Iron Rotary Filter Drum 6' x 3'.
2 Oliver Filters 5' x 6'—Steel construction.

HEAT EXCHANGERS

1 Griscomb-Russel 7 Pass Stainless Steel Heat Exchanger. (See Condensers)

KETTLES

75 Jacketed Kettles in stock, Stainless, Copper, Iron, etc., up to 1000 gal capacity.

LABELERS

6 Semi-Automatic Bottle Labelers—World, Ermold, National.
2 Burt & Standard Knapp Can Labelers.
1 Week's Straight Line Automatic Duplex Front & Back Labeler.

MILLS (Roller)

2 Kent 16" x 40"—Three Roll Mills.
1 Houchin—Aiken 20" x 48"—Three Roll Mill.
1 Lehman 5 Roll Water Cooled Mill, 20" x 48"—arranged for M.D.
1 J. H. Day 3 Roll Water Cooled Mill 9" x 33"—B.D.
1 Lehman 4 Roll Water Cooled Mill, 12¾" x 32"—arranged for M.D.
1 Buhler 5 Roll Water Cooled Mill, 13¾" x 31½"—V belt drive to 20 H.P. motor.

MILLS (Ball & Tube)

4 Hardinge Conical; 5' x 22"; 6' x 48"—(2)—8' x 30".
1 Abbe Ball Mill, 40" x 58"—arranged for M.D.
3 Stearns Rogers Tube Mills, 5' x 22'.
3 Allis Chalmers 7' x 24' Tube Mills.
1 Allis Chalmers 6' x 22' Tube Mill.

MILLS (General)

2 Raymond No. 45 Imp Mills complete with accessories.
3 Raymond No. 00 and No. 0000 Mills.
2 Raymond No. 1 Mills—P.D.
1 Stedman Cage Mill arranged for (2) 75 H.P. motors (not included).

MIXERS (Heavy Duty—Semi-Solids)

3 Simpson Intensive Mixers, 6', 4' and 18".
4 W. & P. Jacketed Mixers, 2 gal., 9 gal. and 20 gal.
1 P. & J. Jacketed Hor. Mixer 34" x 40" x 50", double elliptical arms—requires 2 motors.
1 Abbe Double Z Arm Mixer—137 Gal. Cap.—with 7½ H.P. motor.

STILLS

12 Vacuum Stills in Copper, Steel, Aluminum—Jacketed—Coiled—all sizes
1 Glass Lined 3000 Gal.—Sectional Still.
3 Bubble Cap Stills (see Columns).
1 Copper Gin Still 300 gal. 5' dia.
1 Buflovac Nitric Still 80 Bbl. capacity.—96" x 108" with oil burner.
1 New Stainless Barnstead Stills, No. SS 100.
9 Other Water Stills—gas or steam operated in all capacities.

TABLET MACHINES

75 Stokes & Colton, Single Punch and Rotary Tablet Presses for practical every requirement.

MISCELLANEOUS

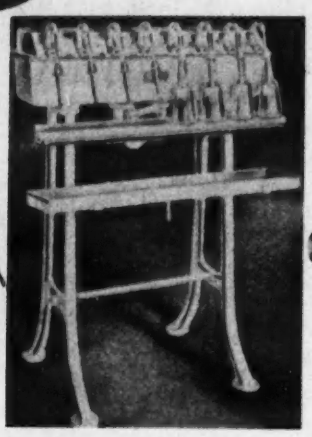
1 Fitzpatrick Stainless Steel Comminuting Machine Model D.
1 Renneburg 5 ton Screw Press with Dryer (Oil Burner), 50 H.P. motor and accessories.
1 Bartlett Snow Horizontal Digester 6' x 18' with ¾" steel shell.
1 Dopp 1500 lb. Crutcher; 42" x 40".
3 Crystallizers or Vacuum Drying Pans 5' and 7'6" Dia. complete with accessories.
2 Allis-Chalmers Rotary Coolers 8' x 83' arranged for M.D.
2 Heavy Copper Tanks, Horizontal 4'4" x 12' dished heads.

FIRST MACHINERY CORP. 157 HUDSON STREET, NEW YORK 13, N. Y.

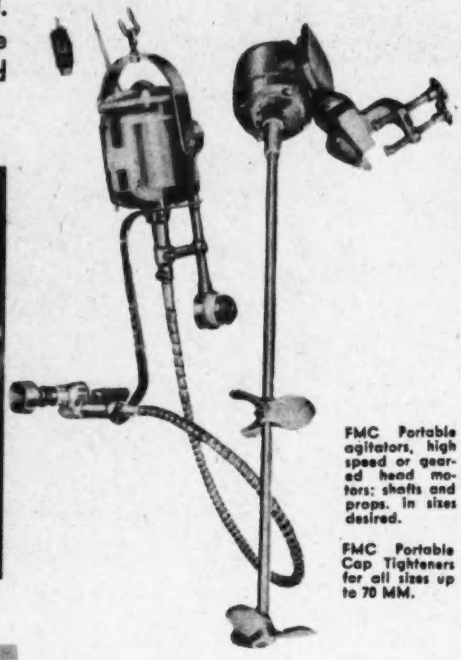
Now! New FMC EQUIPMENT

Reasonably Prompt Shipments

For the first time in four years, the First Machinery Corp. is in a position to solicit orders on our line of New Process Equipment. The material and labor situation has improved so greatly that on most items almost immediate delivery can be made; on others thirty or sixty day shipments prevail. Full data and price quotations supplied on request.

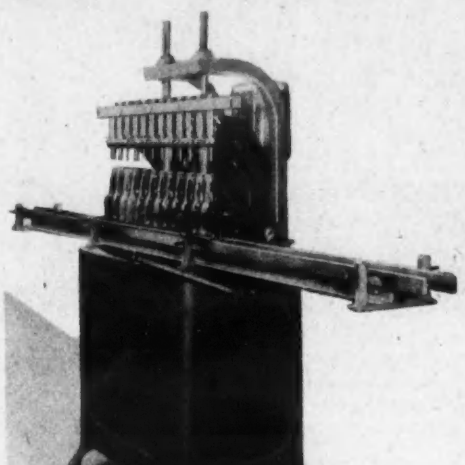


FMC SYPHON FILLERS, rotary or straight line operation; hundreds now in use all over the world; will fill up to gallons.

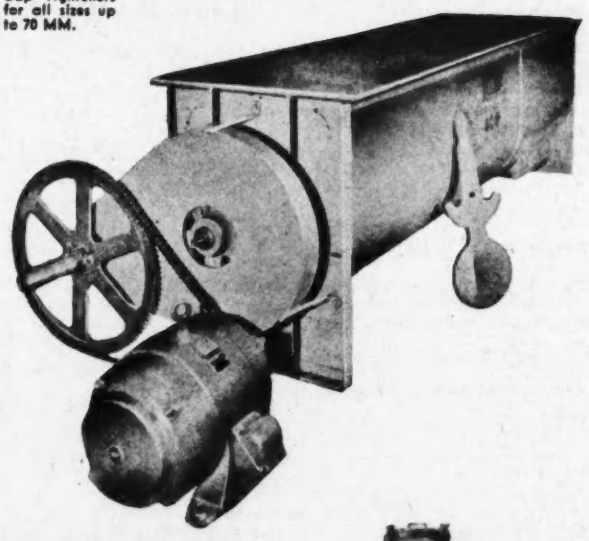


FMC Portable agitators, high speed or geared head motors; shafts and props. in sizes desired.

FMC Portable Cap Tighteners for all sizes up to 70 MM.



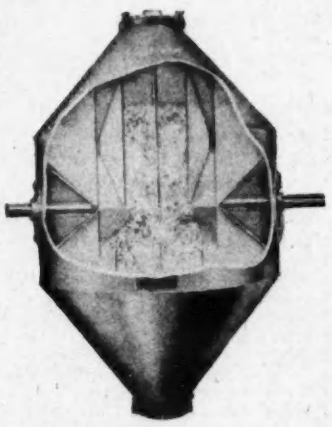
FMC VACUUM FILLER in Stainless or Bronze plated; will fill containers up to Gallons, any finish opening; highly adjustable; one operator 40-50 per minute.



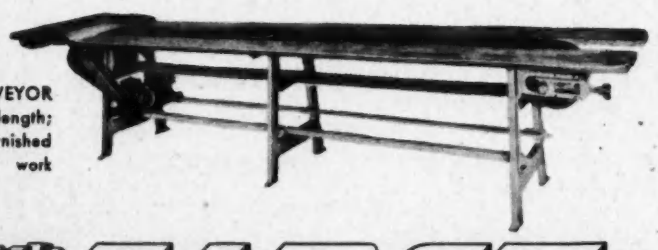
FMC PULVERIZER, or Hammer Mill or Granulator; swinging hammers with screen regulation of mesh; tremendous capacity; two sizes available.

FMC DRY POWDER MIXERS, all steel; of double ribbon type; 400 lb. to 4000 lb. may be had with Sifter if desired.

STAINLESS STEEL EQUIPMENT



FMC STAINLESS STEEL KETTLES, TANKS and VACUUM PANS; a complete line for every purpose; jacketed for steam, water or unjacketed; all standard sizes; agitators if desired.



FMC BELT CONVEYOR in any width or length; variable speed; furnished with or without work boards.

FMC TUMBLING BATCH MIXERS from 1 cu. ft. to 60 cu. ft.; furnished complete with frame and drive and motor if desired.

FMC FIRST MACHINERY CORP.

157 HUDSON ST., NEW YORK 13, N. Y.

Fennel seed, Argentine, bgs., futures..lb. .18 - .18½
Indian, bgs., futures.....lb. .20 - .20½
Fenugreek, domestic, futures, bgs. lb. .08½- .09
Indian, bgs., futures.....lb. .09 - .09½
Morocco, bgs. .....lb. .08¾- .09¼
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13½- .15
water-white, cs., works.....lb. .14½- .11
Fir balsam, Canada, cns....gal.10.00 -12.50
Oregon, bbls. .....gal. 2.25 - 2.40
Fishberries, bgs. .....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works..ton.90.00 - —
65% protein, bgs., E. works. ton.96.00 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast..ton.80.10 - —
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, black, bgs.....lb. .55 - .60
Blonde, bgs.....lb. .25 - .27
Fluorspar,[1] No. 1, ground, 96-98% CaF_2 bulk, c.l., mines, net ton.87,000- —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines. ton.88.000 - —
85% c.l., bulk, mines....ton.82.00 - —
80%, c.l., bulk, mines....ton.81.00 - —
less than 80%, c.l., bulk, mines..ton.80.00 - —
Formaldehyde,[1] bbls., c.l., works. lb. .0520- —
l.c.l., works .....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works .....lb. .0510- —
tanks, works .....lb. .0520- —
tanktrucks, blvd., N.Y.C....lb. .0345- —
Fringetree bark, bls.....lb. .75 - .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines .....ton.12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l. works. lb. .15½- —
cns., dms., l.c.l., works....lb. .18½- .19½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works .....lb. .09½- —
Fusel oil, crude, dms., works.gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .35 - —
No. 1A, bbls., l.c.l.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l....lb. .20½- —

G

G salt, bbls. .....lb. .45 - —
Galangal root, bls., futures...lb. .30 - .31
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls.....lb. No stocks
Gammapicoline, 95%, dms., c.l., works..lb. 1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks. gal. .06⅞- —
Bayonne, 74 octane, tanks. gal. .0780- .09
Gulf Coast, 73-75 octane, tanks..gal. .06½- .07¼
Group 3, 73-75 octane, tanks. gal. .06¾- .07
Pennsylvania, western, U.S. motor, 74 octane, leaded, tanks..gal. .07½- .08¼
natural, 26/70 octane, Group 3, tanks..gal. .04 - —
Gelatin, silver label, ctns., dlvd. lb. .90 - .97
export, cs. .....lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsenium root, bls.....lb. .35 - .40
Gentian root, bls.....lb. .29 - .30
grd., bbls., bxs.....lb. .35 - .36
powd., bbls., bxs.....lb. .34 - .35
Geraniol, 92-96%, cns., dms....lb. No prices
Geranyl acetate, cns.....lb. No prices
Ginger, African, No. 1, bls...lb. .15½- .16
Calicut, Romeo-type, bgs....lb. .16 - .16½
Cochin, bleached, bgs.....lb. .16 - .16½
unbleached, bgs. .....lb. .15¼- .15⅝
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bgs.....lb. .16½- .17
No. 3, bgs.....lb. .14½- .15
Rhattoon, bgs. .....lb. .14½- .15
Glaubers salt, anhyd. (see Soda sulphate), cryst., bgs., bbls., works, 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .16 - .23
30/36, bgs., c.l., same basis..lb. .15½- .22½
56/62, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis. lb. .18½- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
123-149, bgs., c.l., dlvd.....lb. .15 - .22½
150-177, bgs., c.l., dlvd.....lb. .16 - .23½
178-206, bgs., c.l., dlvd.....lb. .17 - .24½
207-236, bgs., c.l., dlvd.....lb. .18 - .25½
237-266, bgs., c.l., dlvd.....lb. .19 - .26½
267-298, bgs., c.l., dlvd.....lb. .20 - .27½
299-330, bgs., c.l., dlvd.....lb. .21 - .28½
331-362, bgs., c.l., dlvd.....lb. .22 - .29½
363-394, bgs., c.l., dlvd.....lb. .23 - .30½
395-427, bgs., c.l., dlvd.....lb. .24 - .31½
428-460, bgs., c.l., dlvd.....lb. .25 - .32½
461-494, bgs., c.l., dlvd.....lb. .26 - .33½
495-529, bgs., c.l., dlvd.....lb. .27 - .34½
Hide glue l.c.l., prices 1c higher than c.l. bbls., ½c., over bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .12¾- —
soaplye, 80%, tanks.....lb. .11½- —
dynamite, dms., c.l.....lb. .17½- .18½
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17½- .18
high gravity, dms., c.l.....lb. .17½- .18½
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17½- .18
refined, B.P., 98%, dms., c.l..lb. .18¾- —
tanks .....lb. .18½- —
USP, 95%, dms., c.l.....lb. .18¼- —
tanks .....lb. .18 - —
yellow, distilled, dms., c.l...lb. .17⅞- —
tanks .....lb. .17⅝- —
Glycine, USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots.. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.75 - 9.00
powd., bxs.....lb. 9.25 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .45 - .46
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, bgs., same basis. lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
imported, amorphous, powd., dlvd..lb. .04 - .06
crystalline, 88-90%, powd., same basis..lb. .14 - .16
90-92%, powd., same basis.. lb. .16 - .19
97% powd., same basis...lb. .22 - .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis..lb. .21 - .22
No. 2, same basis.....lb. .22 - .24
Grease, house,[1,7] loose.....lb. .06¼ Nom.
White, choice, loose.....lb. .08¾ Nom.
Wool (see Adeps lanae and Degras)
Green, brilliant,[1] thiodavin toner, molybdic, kegs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Green, chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .24 - —
6-10%, bbls., same basis. lb. .25 - —
11-15%, bbls., same basis, lb. .26 - —
16-20%, bbls., same basis, lb. .26½- —
21-25%, bbls., same basis, lb. .27 - —
26-30%, bbls., same basis, lb. .27½- —
31-35%, bbls., same basis, lb. .28½- —
36-40%, bbls., same basis, lb. .29½- —
41-45%, bbls., same basis. lb. .31 - —
46-50%, bbls., same basis, lb. .32½- —
50% and over, bbls., same basis..lb. .33½- —
reduced color, 5%, bbls., same basis..lb. .06¾- —
8-10%, bbls., same basis.lb. .07½- —
11-15%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½ —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis. lb. .10 - —
Green, chrome, reduced color, 32-33%, bbls., same basis.lb. .10¾- —
34-35%, bbls., same basis.lb. .11 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis..lb. .20 - —
70%, bbls., same basis....lb. .20 - —
Chrome green prices are ¼c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.) Miss., N. C., S. C., Tenn., Texas (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac Coast; for Denver, Pueble, Salt Lake City and Wichita, prices are equalized with Chicago.
Chrome oxide, pure, dms., works..lb. .24 - —
Malachite, thiodiavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works....lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide), bbls., works..lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs. .....lb. 2.00 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .22
Guaiac, resin, cs.....lb. .23 - .24
Wood, bls. .....lb. .25 - .26
Guaiacol, cryst., N.F., tins...lb. 1.00 - 1.05
Liquid, N.F., bots., cbys....lb. 1.00 - 1.04
Carbonate, dms .....lb. 2.40 - 2.45

A Guide to BETTER and SAFER SHIPPING!

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Undesirable Odors • Loss of Aroma
Contamination • Insect Infestation

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*Name*_____
*Firm*_____
*Product*_____
*Address*_____
*City*_____ *State*_____

Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs...lb. .14¼- .14¾
white, sorts, 1, bgs.....lb. .28 - .29
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs.....lb. 1.60 - 1.70
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under the new import regulations).
East India (former dollar-and-cents ceilings on all other copals revoked May 21. New ceiling prices are to be figured on same basis as Congo).
Manila, No. 1, hard, bold, amber, light, bskts, c.l., whse..lb. .25 - —
Dammar (former dollar-and-cent ceiling on Batavia and Singapore revoked May 21. New ceiling prices are to be figured on same basis as copals).
Elemi (former dollar-and-cent ceilings on elemi revoked May 21. New ceiling prices to be figured on same basis as copals).
Ester,[7] gum-resin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1335- —
other points, same basis.lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.00 - 2.05
powd., bbls.....lb. 2.25 - 2.30
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri (former dollar-and-cent ceilings revoked May 21. New ceiling prices are to be based on prices to be figured on same basis as copals).
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 3.25 - 3.30
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .27 - .45
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, bgs.....lb. .90 - .95
Scammony, cs.....lb. 1.50 - 1.55
Talha, bxs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 5.00 - 5.25
No. 2, cs.....lb. 3.65 - 3.90
No. 3, cs.....lb. 3.20 - 3.45
Yacca (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices to be figured on same basis as copals).
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.20.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y., Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.25 - 2.30
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2 bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,6] 25% tan. bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .29
powd., bbls., bxs.....lb. .28 - .31
Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
Heptane, industrial grade, 77°-115° C., dms., c.l., Group 3, gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .55
Hexalin (see cyclohexanol).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .55
Hexanol, normal, dms., l.c.l., works..lb. .30 - —
Hematropine hydrobromide, bots. oz.15.00 -35.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 6.50 - —
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .13 - .15
Hydrangea root, bls.....lb. .23 - .28
Hydrastine, alkaloid, bots....oz.20.00 -22.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .06¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .15¾
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. No prices
dms., extra, ret'able, dlvd...lb. No prices
Hyoscine hydrobromide, bots...oz.30.00 -45.00
Hyoscyamine, bots.....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots.....oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .30 - —
Hyssop, bgs.....lb. .60 - .61
leaves, bgs.....lb. .69 - .70

I

Iceland moss, bgs.....lb. .50 - .53
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.00 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs.....lb. 1.28½- —
resubl., 5-lb. bots., jars.....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or fib. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 6.00 - 9.50
Methyl, bot.....lb. 6.25 -12.00
Ipecac root, bgs.....lb. 6.00 - 6.25
powd., bgs.....lb. 6.50 - 6.75
Irish moss, bleached, prime...lb. .25 - .30
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 8.50 - 8.65
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08¼
solut., 42 Be, cbys., works, frt. alld. or equald..lb. .08¼- .08
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms. lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls.....lb. 3.40 - 3.52
Hypophosphite, bbls., dms...lb. 1.50 - 1.53
Iodide, bots.....lb. 3.18 - 3.29
Naphthenate, 9% Fe, 50-gal. dms..lb. .21 - —
Nitrate, red., tech., dms....lb. .08½- .09
Oxalate, gran., dms.....lb. .32 - .35
powd., cns.....lb. .32 - —
kgs.....lb. .47 - .49
Phosphate, soluble, NF, gran., cns..lb. .84 - .87
Pyrophosphate, gran., cns....lb. .79 - .82
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .17¼- —
Sulphate (ferric), anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms...lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .35
scale, dms.....lb. .49 - .52
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26¼
Isobornyl acetate, cns., works.lb. .80 - .95
Isobornyl thiocyanoacetate, dms., c.l., works..gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.25 - —
Isobutyl acetate, dms., works.lb. No prices
Propionate, dms., works.....lb. No prices
Isoeugenol, cns., works.....lb. 3.75 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb. .09½- —
l.c.l. E'y of Rockies, same basis..lb. .10 - —
tanks, E. of Rockies, same basis..lb. .08½- —
Alcohol (see Alcohol, isopropyl).
Ether, dms., c.l., dlvd.....lb. .06 - —
l.c.l.....lb. .06½- —
tanks, dlvd.....lb. .04½- —
Isopropylamine, dms., works..lb. .25 - —

J

Jaborandi leaves, bls.....lb. .30 - .31
Jalap root, NF, bls.....lb. .37 - .52
powd., bbls., bxs.....lb. .43 - .58
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .22 - .25
Juniper tar, USP, dms.....lb. .70 - 1.00

K

Kamala, powd., cns.....lb. .46 - .48
Kaolin (see China clay).
Kava kava root, bls.....lb. .28 - .30
Kerosene, at refinery: Ariz., 42-44 w.w., tanks..gal. .05 - —
Bayonne, 41-43 w.w., tanks.. gal. .061 - —
California, 40-43 w.w., tanks, gal. .07 - —
Gulf ports, 41-43 w.w., tanks, gal. .04¾- .05
Okla-Tex., 41-43 w.w., tanks, gal. .04875- —
Penn., 45 w.w., tanks....gal. .0655- .070
47 w.w. tanks.....gal. .0705- —
Kola nuts, bgs.....lb. .10 - .11
Kyanite, imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.38 - 1.45
Lanolin (see Adeps lanae).
Lard,[1,7] pure, ref., tierces, c.l..lb. .33⅞ Nom.
prime steam, tierces, c.l.....lb. .33⅛ Nom.
Larkspur seed, bgs.....lb. .20 - .22
Laurel berries, bls.....lb. .25 - .26
Leaves, Cyprus, bls.....lb. .19 - .19½
Greek, bls.....lb. .19 - .20
Portuguese, futurea, bls....lb. .13 - .13½
good, bls.....lb. .15 - .15½
Turkish, bls., futures.....lb. .17 - .17½
Lavender flowers, medium, bls.lb. .60 - .65
ordinary, bls.....lb. .35 - .42
select, bls.....lb. .65 - .70
Lead, acetate,[1] white, broken, bbls..lb. .12¼- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1] basic powder, 3-lb. bgs. or larger, c.l..lb. .14 - —
l.c.l.....lb. .14½- —
1-lb. ctns., c.l.....lb. .24 - —
l.c.l.....lb. .24½- —
standard paste, cns., c.l...lb. .06¾- —
l.c.l.....lb. .07 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest.
Blue, basic sulphate, bbls., c.l., 20-ton lots, dlvd. E..lb. .08½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08¾- —
l.c.l., dlvd. E.....lb. .08¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .09 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V. bots.....lb. 2.80 - —
jars.....lb. 2.60 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metal,[1,2] (see Protective Coatings Materials market).
Metallic paste, dms., works..lb. No stocks
Naphthenate, 24%-30%, Pb..lb. .15½- .16½
Nitrate, bbls.....lb. .12½-
Oleate, bbls.....lb. .17¾-
Peroxide, powd., tech., bbls.lb. .23 - .25
Red, 95% Pb_3O_4, or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts., in Ore. and Wash..lb. .11 - —
other points.....lb. .10¾- —
l.c.l., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .12 - —
Colo., Mont., N. Mex., Wyo..lb. .11¾- —
other points.....lb. .11¼- —
smaller lots, dlvd. Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12¼- —
Colo., etc.....lb. .12½- —
other points.....lb. .12¾- —
in oil, kgs.....lb. .15¾- —
97% Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore..lb. .11¼- —
other points.....lb. .11 - —
l.c.l., 5 tons, dlvd. Ala., etc. lb. .11¾- —
Ariz., etc.....lb. .12¼- —
Colo., etc.....lb. .12 - —
other points.....lb. .11½- —
smaller lots, dlvd. Ala. lb. .12¼- —
Ariz., etc.....lb. .12¾- —
Colo., etc.....lb. .12½- —
other points.....lb. .12 - —
98% Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc. lb. .11½- —
other points.....lb. .11¼- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., etc.....lb. .12¾- —
other points.....lb. .11¾- —
98% Pb_3O_4, bbls., l.c.l., smaller lots, dlvd. Ala., etc..lb. .12½- —
Ariz., etc.....lb. .13 - —
Colo., etc.....lb. .12¾- —
other points.....lb. .12¼- —
Resinate, precip., 23.8% Pb dms..lb. .20 - —
Silicate, bgs.....lb. .0730- .0780
Soyate, 20.15% Pb., dms.....lb. .22¼- —
Stearate, bbls.....lb. .34½- .35½
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 10% Pb, dms.....lb. .08½- —
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse..lb. .11½- —
smaller lots, E. frt. alld. lb. .11¼- —
Pac Cst., ex whse..lb. .11¾- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo. lb. .10 - —
dlvd. other points....lb. .09¾- —
l.c.l., dlvd. Ariz., etc....lb. .10¼- —
other points.....lb. .10 - —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .09 - —
other points.....lb. .08¾- —
l.c.l., dlvd. Ariz., etc. lb. .09¼- —
other points.....lb. .09 - —
in oil, consumers, kgs.....lb. .15 - —
painters, kgs.....lb. .14 - —
Lecithin, edible, dms., c.l.....lb. .25½- —
l.c.l.....lb. .26½- .45
in cocoa butter, dms., c.l..lb. .39¼- —
l.c.l.....lb. .40¾- .50
tech., dms., c.l.....lb. .25¼- —
l.c.l.....lb. .26¼- .45
vegetable, pure, bots., ~00 lbs., lb. 2.75 - —
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns....lb. .40 - .42
powd., bbls.....lb. .60 - .62
Root, Indian, bls.....lb. .12 - .14
powd., bbls.....lb. .18 - .20
Russian, bls.....lb. .12 - .13
Spanish, bls.....lb. .12 - .13
Turkish, bls.....lb. .12 - .13
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump, pebble, Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkeley, W. Va....ton. 8.50 - —
Buffalo, N. Y.....ton.10.25 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hallow, Pa....ton. 9.00 - —
Crab Orchard, Tenn..ton. 7.90 - —
Eagle Mountain, Va..ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 7.50 - —
Hannibal, Mo.....ton. 7.50 - —
Keystone, Ala.....ton. 7.90 - —
Knoxville, Tenn.....ton. 7.90 - —
Limedale, Ark.....ton. 8.00 - —
Longview, Ala.....ton. 7.90 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va..ton. 8.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 7.50 - —
Newala, Ala.....ton. 7.90 - —
Ripplemead, Va.....ton. 8.50 - —
Riverton, Va.....ton. 8.50 - —
Rockland, Maine.....ton. 8.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sherwood, Texas.....ton. 7.90 - —
Sherwood, Wisc.....ton. 8.50 - —
Springfield, Mo.....ton. 8.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Hydrated, Adams, Mass....ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Berkeley, W. Va.....ton.10.00 - —
Buffalo, N. Y.....ton.10.50 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton.10.00 - —
Crab Orchard, Tenn..ton.10.65 - —
Eagle Mountain, Va...ton.10.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio.....ton. 9.50 - —
Hannibal, Mo.....ton. 9.50 - —
Keystone, Ala.....ton.11.65 - —
Knoxville, Tenn.....ton.10.65 - —
LeRoy, Minn.....ton.10.00 - —
Limedale, Ark.....ton.10.00 - —
Longview, Ala.....ton.11.65 - —
Manistique, Mich.....ton. 9.50 - —
Marblehead, Ohio....ton.10.50 - —
Martinsburg, W. Va..ton.10.00 - —
Mitchell, Ind.....ton.10.00 - —
Newala, Ala.....ton.11.65 - —
Petoskey, Mich.....ton.10.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. Dak...ton.12.00 - —
Ripplemead, Va.....ton.10.00 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.11.65 - —
Sherwood, Wisc.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.10.00 - —
Spray, paper bgs., Adams, Mass..ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.10.00 - —
Marblehead, Ohio....ton.10.00 - —
Rockland, Maine.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[9] 20.5% N. (see Ammonia nitrate-lime-stone).
Linalyl acetate, ex bois de rose, bots..lb. 8.50 - —
ex lignaloe wood, bots.....lb. 7.75 - 8.40
ex petitgrain, bots.....lb. 3.90 - 4.10
Linden flowers with leaves, bls. lb. .55 - .60
without leaves, bls.....lb. .60 - .65
Linseed meal,[7] 34%, bulk, c.l. ton.85.00 - —
Litharge, com'l, powd., bbls., c.l. dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .10 - —
other points.....lb. .09¾- —
l.c.l., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .10½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .11 - —
Colo., Mont., N. Mex., Wyo..lb. .10¾- —
other points.....lb. .10¼- —
smaller lots, dlvd. Ala., etc..lb. .11 - —
Ariz., etc.....lb. .11½- —
Colo., etc.....lb. .11¼- —
other points.....lb. .10¾- —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.98
Carbonate, NF, bbls., kgs...lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.75 - 1.80
Iodide, bots.....lb. 5.20 - —
jars.....lb. 5.05 - —
Stearate, fib. dms., works....lb. .53½- —
Lithopone,[7] ordinary, bgs., c.l. (20 tons)..lb. .0440- —
l.c.l.....lb. .0465- —
bbls., c.l.....lb. .0465- —
l.c.l.....lb. .0490- —
titanated (high-strength), bgs., c.l..lb. .05¾- —
smaller lots.....lb. .06 - —
bbls., c.l.....lb. .06 - —
smaller lots.....lb. .06¼- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac Cst., ½c. higher.
Liverwort leaves, bls.....lb. .75 - .80
Lobelia herb, bls.....lb. .75 - .80
Lobeline sulphate, bots., wks..oz.25.50 -38.00

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Kali, Goddess of Destruction

THE Arab term "kali" means ashes probably derived from the destroying goddess of the Hindus, Kali. She was depicted as having numerous arms and red-palmed hands. Her eyes were red, and her face and body were besmeared with blood.

Kali, with the *al* prefix, referred to the half-vitrified ashes of certain plants used by the Arabs—hence the salts obtained from the ashes of plants are called alkaline salts.

Among the most important of these are the sodium compounds. Although sodium products were known to the ancients, the element was not clearly understood until 1807 when Sir Humphrey Davy succeeded in isolating it by electrolyzing caustic soda.

Since 1867, Mallinckrodt has specialized in the production of sodium compounds. Over 200 Sodium products bear the Mallinckrodt trade-mark—**including Sodium Acetate, Benzoate, Bromide, Carbonate, Citrate, Hyposulfite, Iodide, Mandelate, Phosphate, Salicylate, Sulfate, Sulfite and Sulfocarbolate. Whatever your sodium requirements, always specify Mallinckrodt.**

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79 Years of Service to Chemical Users

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CHICAGO • PHILADELPHIA • LOS ANGELES • MONTREAL

UNIFORM • DEPENDABLE • PURITY

Logwood extract, crystals, No. 1, bbls., l.c.l.—lb. .24 - —
No. 2, bbls., l.c.l.—lb. .23 - —
liquid, No. 1, bbls., c.l.—lb. .17 - —
No. 2, bbls., l.c.l.—lb. .16 - —
No. 3, bbls., l.c.l.—lb. .15½ - —
No. 4, bbls., l.c.l.—lb. .15 - —
solid, No. 1, bgs., l.c.l.—lb. .28 - —
No. 2, bxs., l.c.l.—lb. .26 - —
bbls., c.l., Zone 1—lb. .09½ - —
No. 4, bxs., c.l.—lb. .28 - —
No. 3, bgs., l.c.l.—lb. .23½ - —
No. 5, bxs., l.c.l.—lb. .21½ - —
No. 6, bxs., l.c.l.—lb. .23½ - .44½
Lovage root, American (ligusticum actae folium), bls.—lb. 1.20 - 1.80
Lupulin, NF, tin—lb. 12.75 - 13.00
Lycopodium, USP, cs.—lb. 2.50 - 3.00

M

Mace,[7] Amboyna, cs.—lb. .80 Nom.
Banda, cs.—lb. 1.10 Nom.
West Indian, bgs.—lb. .90 Nom.
broken, bgs.—lb. .55 Nom.
Madder, Dutch, bbls.—lb. .24 - .30
Magnesia arsenate,[1] dms.—lb. .13 - .16
Calcined, tech., USP, bbls., works—lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1—lb. .07¼ - —
bbls., c.l., Zone 1—lb. .07½ - —
l.c.l., Zone 1—lb. .08½ - —
kgs., c.l., Zone 1—lb. .04¾ - —
l.c.l., Zone 1—lb. .09¾ - —
USP, bgs., c.l., Zone 1—lb. .08 - —
l.c.l., Zone 1—lb. .09 - —
bbls., c.l., Zone 1—lb. .08½ - —
l.c.l., Zone 1—lb. .09½ - —
kgs., c.l., Zone 1—lb. .09¾ - —
l.c.l., Zone 1—lb. .10¾ - —

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ½c. lower, Zone 2, store delivery; store door delivery, both zones, Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Magnesia chloride, anhyd., bbls., dlvd.—lb. .12¾ - —
flake, bbls., c.l., works—ton. 32.00 - —
l.c.l., works—ton. 39.60 - 42.00
Fluoride, bbls.—lb. .30 - .35
Hydroxide, medicinal, bbls., dms., kgs.—lb. .30 - .33
Hypophosphite, cns.—lb. 1.45 - —
Laurate, bbls.—lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works—lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls.—lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.—lb. .08 - .09
Stearate, ctns., 2,000 lbs. to c.l.—lb. .34½ - —
less than ton—lb. .35½ - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts—lb. .37 - —
smaller lots—lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif.—ton. 58.75 - —
dead-burnt,[1] bulk, c.l., Chewelah, Wash.—ton. 32.00 - 33.00
Maleic anhydride, dms., c.l.—lb. .26 - —
l.c.l.—lb. .30 - —
Malva flowers, black, bls.—lb. No stocks
blue, bls.—lb. 1.55 - 1.60
Leaves, bls.—lb. .40 - .41
Manaca root, bls.—lb. .50 - .51
Mandrake root, bls.—lb. .33 - .34
Manganese acetate, dms.—lb. .23½ - —
Arsenate,[8] bgs.—lb. .12 - .19½
Borate, tech., bbls.—lb. .16 - .18
Carbonate, bbls.—lb. .19 - —
Chloride, anhyd., bbls., wks.—lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 20-40 tons, works—ton. 74.00 - —
smaller lots, works—ton. 77.00 - 83.00
Manganese dioxide, Caucasian, 85-90%, bbls., c.l., works—ton. 74.00 - —
smaller lots, works—ton. 77.00 - 83.00
burlap bgs., c.l., works, ton. 71.75 - —
l.c.l., works—ton. 74.75 - 79.75
paper bgs., c.l., works—ton. 70.00 - —
l.c.l., works—ton. 73.00 - —
Glycerophosphate, fib. dms., 1,000-lb. lots—lb. 3.05 - —
100-lb. lots—lb. 3.15 - —
cns., 25 lbs.—lb. 3.27 - —
Hydrate, bbls., dlvd.—lb. .26 - —
Iodide, bots.—lb. 5.70 - —
jars—lb. 5.85 - —
Linoleate, liquid, 4%, dms.—lb. .20 - —
solid, precip., 8.2%, bbls.—lb. .22 - —
Naphthenate, 6% Mn, dms.—gal. .15½ - .16
precip., dms.—lb. .17½ - —
precip., dms.—lb. .14½ - .15½
Soyate, 8.2% Mn, dms.—lb. .22 - —
Sulphate, anhyd., dms., works—lb. No stocks
feed grade, 77-80%, bgs.—lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East—ton. 52.00 - —
c.l., same basis, or Salto. or Cincinnati—ton. 65.00 - —
industrial grade, 80%, bgs.—lb. .05 - .05½
Tallate, 4% Mn, dms.—lb. .06 - —
Mangrove bark,[1,6] E. Africa, 35% tannin, c.l., ex dock, U. S. ports—ton. 58.00 - —
Manna, flake, large, cs.—lb. 1.50 - 1.55
small, cs.—lb. No stocks
Mannitol,[9] com'l, bbls., works—lb. .35 - .40
reagent, cs. or multiples, works—lb. .85 - —
Marjoram, Argentine, bls.—lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast—lb. .25 - .30
Chilean, bls.—lb. .09 - .09½
Matico leaves, bls.—lb. .22 - .30
Menadione, USP, bots., works—gram. .10 - —

Menthol, natural, USP, cns.—lb. 5.25 - 5.50
synthetic, tech, cns.—lb. No prices
USP, leave, cns.—lb. No prices
racemic, cns.—lb. 6.10 - 6.20
Menthyl salicylate, tins—lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 30%, tubs.—lb. .70 - .75
30%, pails—lb. 1.80 - —
50%, pails—lb. 1.90 - 1.90
Mercury bichromate (see Corrosive sublimate).
Bisulphate, dms.—lb. 2.50 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.—lb. 3.86 - —
Iodide, red, NF, dms., kgs.—lb. 4.90 - —
yellow, fib. dms., kgs.—lb. 4.38 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms.—lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms.—lb. 1.66 - 1.76
Mesityl oxide, dms., c.l., dlvd.—lb. .11½ - —
l.c.l., dlvd.—lb. .12 - —
tanks, dlvd.—lb. .10½ - —
Metal leaf, composition, 5½x5½ in., pkg.—No stocks
Gold X+, deep, 23, 3⅜x3⅜ in., pkg.—No stocks
Silver, 2⅝x3¼ in.—pkg. No stocks
Metanitroparatoluidin, bbls.—lb. 1.05 - 1.10
Metaphenylenediamine, kgs.—lb. .65 - —
Metatoluylenediamine, kgs.—lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R.—gal. .68 - —
l.c.l., same basis—gal. .73 - —
tanks, same basis—gal. .60 - —

Inside prices on natural methanol W. of Miss. R., 3c. higher.

synth., dms., c.l., Zone 1, frt. alld.—gal. .31 - —
2, frt. alld. or dlvd.—gal. .34 - —
3, frt. alld.—gal. .38 - —
4, frt. alld.—gal. .56 - —
l.c.l., Zone 1, frt. alld. or dlvd.—gal. .36 - —
2, frt. alld.—gal. .43 - —
3, dlvd. S. F. and L. A.—gal. .41 - —
4, frt. alld. or dlvd.—gal. .51½ - —
tanks, Zone 1, frt. alld.—gal. .24 - —
2, frt. alld.—gal. .27 - —
3, frt. alld.—gal. .29 - —
4, frt. alld.—gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd.—lb. .09¼ - —
10 dms., dlvd.—lb. .10¼ - —
1-9 dms., dlvd.—lb. .11½ - —
hydrogenated, non-ret. dms., c.l., dlvd.—lb. .13¼ - .16¾
10 dms.—lb. .14½ - .18
1-9 dms.—lb. .15½ - .19
Acetate, CP, 97-99%, dms., c.l., E. of Miss.—lb. .10¼ - .12
W. of Miss.—lb. .11½ - .13
l.c.l., E. of Miss.—lb. .11 - .14
W. of Miss.—lb. .12 - .13½
tanks, E. of Miss.—lb. .09¼ - —
W. of Miss.—lb. .10½ - —
tech., dms., c.l., E. of Miss.—lb. .07 - .09
W. of Miss.—lb. .08 - —
l.c.l., E. of Miss.—lb. .07½ - .11
W. of Miss.—lb. .08½ - .10¾
tanks, E. of Miss.—lb. .06 - —
W. of Miss.—lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld.—lb. .30½ - —
Acetone, natural, Group A, dms. incl. E. of Miss., frt. alld.—gal. .66 - —
l.c.l., same basis—gal. .76 - —
tanks, same basis—gal. .60 - —

Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld.—gal. .63 - —
Zone 2, same basis—gal. .65 - —
Zone 3, same basis—gal. .67 - —
Zone 4, same basis—gal. .69 - —
l.c.l., Zone 1, same basis—gal. .66 - —
Zone 2, same basis—gal. .83 - —
Zone 3, same basis—gal. .70 - —
Zone 4, same basis—gal. .83 - —
tanks, Zone 1, same basis—lb. .60 - —
Zone 2, same basis—gal. .63 - —
Zone 3, same basis—gal. .64 - —
Zone 4, same basis—gal. .64½ - —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1, gal. .51 - —
Zone 2—gal. .52 - —
Zone 3—gal. .53½ - —
Zone 4—gal. .54½ - —
l.c.l., Zone 1—gal. .54½ - —
Zone 2—gal. .57 - —
Zone 3—gal. .58 - —
Zone 4—gal. .59½ - —
tanks, Zone 1—gal. .43 - —
Zone 2—gal. .44½ - —
Zone 3—gal. .45½ - —
Zone 4—gal. .45½ - —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Cinnamate, cns.—lb. 2.50 - 3.50
Anthranilate, dms.—lb. 1.80 - 1.90
bots., cns.—lb. 2.20 - 2.35
Benzoate, cns.—lb. .45 - .55
Bromide, cns.—lb. .63 - .65
cyls.—lb. .55 - .70

The importance

OF BEING NIAGARA CAUSTIC POTASH, CARBONATE OF POTASH, CAUSTIC SODA AND CHLORINE LIQUID CHLORINE

THESE BASIC electro-chemical products grow in importance as the intensified need for them increases in a wide range of industries. As the first company in America to produce Caustic Potash, Carbonate of Potash and Liquid Chlorine, and one of the first to produce Caustic Soda, Niagara has spent many years of painstaking research in improving their quality and adapting them to specialized needs. Niagara products maintain the highest standards of purity and uniformity, and Niagara's service in these products is unexcelled in thoroughness and efficiency to the full limit that the present production situation permits. For pioneering leadership in the electro-chemical field, look with confidence to Niagara. ▲▲▲ Niagara Alkali Company, 50 E. 42nd Street, New York 17, N. Y.

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CAUSTIC POTASH • CAUSTIC SODA • LIQUID CHLORINE • NIAGATHAL
CARBONATE OF POTASH • PARADICHLOROBENZENE

Methyl chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, 500-lb. cyl..lb. .36 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .46
60-499 lb. cyl.....lb. .40 - —

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 130-lb. cylinders; 20-lb. cylinders 10c per pound higher.

Alcohol (see Methanol).
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs., works. lb. 2.00 - 2.15
cns., works.....lb. 2.55 - —
Chloride, refrig., dms., wks..lb. .18 - .26
solvent, dms., works.....lb. .12 - .16
Methyleneanilin, lbs., ton lots, min. frt. alld.....lb. .36 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .09 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.75 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .25½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -33.00
l.c.l., works.....ton.38.00 -40.00
30-31 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
80 mesh, bgs., c.l., works. ton.40.00 -42.50
l.c.l., works.....ton.44.00 -45.50
graphitic, bulk, Pa., mines. ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.
Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .18½- —
spray, bulk, c.l.....lb. .18¾- —
whole, roller, bbls., c.l.....lb. .31½- .32½
spray, bbls., c.l.....lb. .32½- .34½
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾- .27½
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.00 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,9] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[1,9] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content. lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%..lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt l.c.l., same basis.....lb. .23 - —
alld. E..lb. .24 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l. works, basis 100%...lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, works, frt. alld. E. of Miss..lb. .33 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 6.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morphine sulphate, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
Mullein leaves, cns.....lb. .12 - .19
smaller containers, works...lb. .75 - —
Musk, nat., Tonquin, grains, bots., oz.58.00 -60.00
synthetic, ambrette, cns (in lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.20
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.35
25 lbs.....lb. 4.25 - 9.55
5 lbs.....lb. 4.40 - 9.70
xylol, dms.....lb. 1.40 - 2.05
25 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Muskroot, bls.....lb. 2.25 - 2.50
Mustard seed, Calif., Brown, bgs. lb. .17 - .17½
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .26 Nom.
Montana, brown, bgs.....lb. No stocks
oriental, bgs.....lb. .14 - .14½
futures.....lb. .08½- .09
yellow, bgs.....lb. .25 - .26
futures.....lb. .16 - .16½
Swedish, bgs., futures.....lb. .38 - .38½
Washington, yellow, bgs....lb. .29 Nom.
Myrobalans,[1] whole J1, U. S. ports, ex dock..ton.51.00 -52.00
J2, same basis.....ton.48.00 -49.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald..lb. .03 - .03¼
bbls., c.l., same basis..lb. .031 - .036
tanks, same basis.....lb. .0275- .0325
Naphthalene, dom., crude, 78°, bgs., c.l., same basis..lb. .0325- .0375
bbls., c.l., same basis...lb. .0325- .0375
tanks, same basis.....lb. .03 - .0350
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .09½- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis...lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite,[1] glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .35 - .36¾
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13¾
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms., works. tlle.11.00 -11.30
Nikethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .06 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
Nitrocellulose, ester-soluble, ¼, ½ sec. 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .26
Nitropropane 1, dms., works..lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[8] bgs.....lb. .50 - .53
Nutmegs,[7] West Indian, bgs., July-Sept..lb. .70 - .71
Nux vomica, bls.....lb. .09½- .10
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .29 - —
10 gals., G. 3.....gal. .35 - —
tanks, G. 3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —

Check with "Pittsburgh" for Activated Carbon

We need an Adsorbent "tailored" for this job

ACTIVATED carbon, most versatile of adsorbents, has demonstrated its wide usefulness in solving problems of deodorization, decolorization, fractionation, gas purification, solvent recovery, catalysis, air conditioning and drug and organic chemical isolation, in gas or liquid phase.

For most applications standard or "ready made" grades of Activated Carbon manufactured by Pittsburgh Coke & Chemical Company are entirely satisfactory. Occasionally, however, special conditions may require an adsorbent made to your exact specifications. For such applications *Pittsburgh* Activated Carbon can be "tailored" to fit the need.

Wide experience in the field of adsorption qualifies our technical staff to render intelligent cooperation. Quantity manufacturing facilities, additionally, make *Pittsburgh* a dependable source of supply.

Your inquiries are invited.

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Activated Carbon · Benzol-Motor, Nitration, Pure · Coke Oven Gas · Creosote · Cresol, Meta Para · Cresol, Ortho · Naphtha, Heavy Solvent · Naphthalene · Oleum (Fuming Sulphuric Acid) · Phenol · Picoline-Alpha, Beta and Gamma · Pitch-Briquetting, Roofing, Waterproofing · Pyridine-Medicinal and Industrial · Sodium Cyanide · Sodium Thiocyanate · Sulphate of Ammonia · Sulphuric Acid—60° and 66° · Tar Acid Oils · Tar Bases, Crude · Tar-Crude and Road-Tolvol-Nitration and Commercial Grades · Xylol—10°, 5° and 3°.

also

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INQUIRIES INVITED

P C&C C

Pittsburgh Coke & Chemical Company

Grant Building — Pittsburgh, Pennsylvania

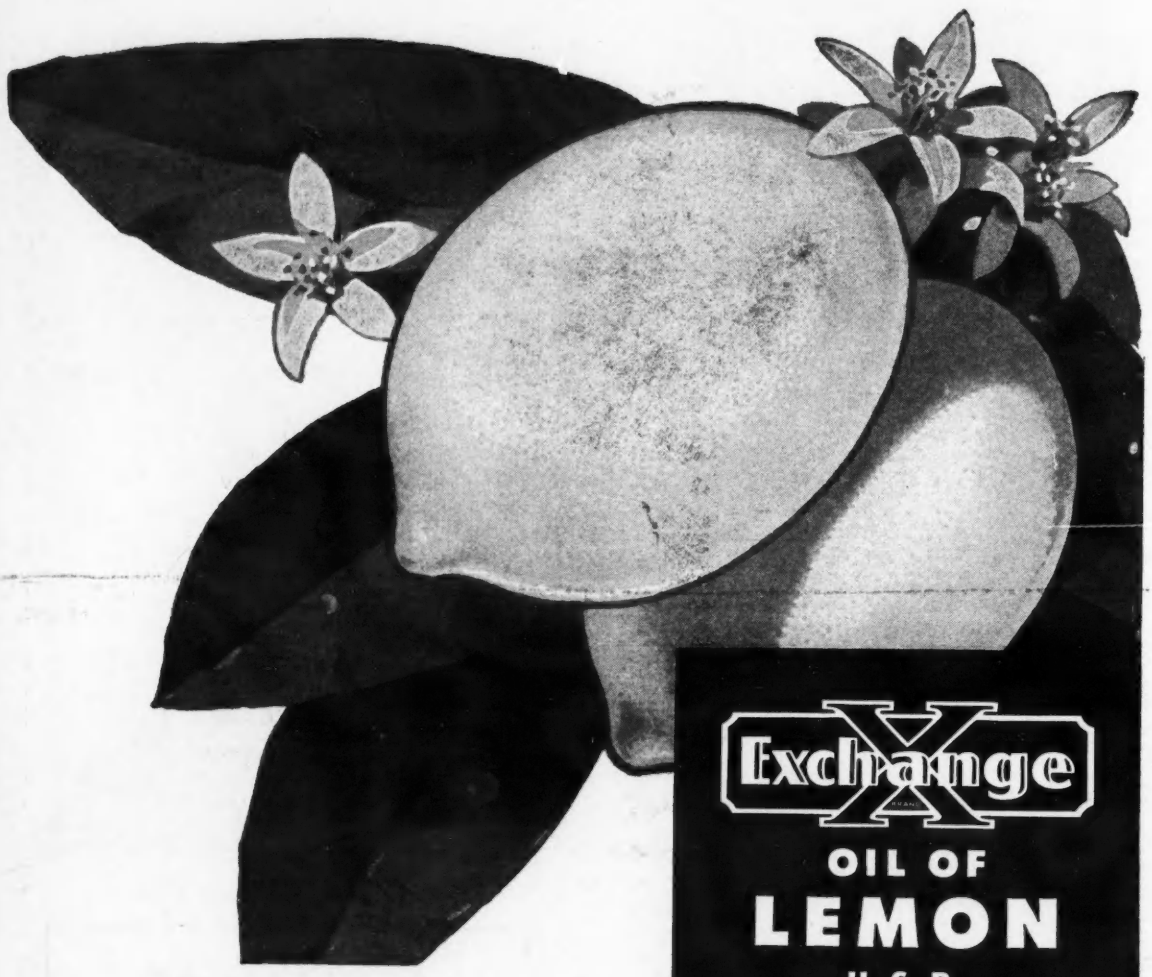
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots. lb. 4.75 - 5.00
USP, bots. lb. No prices
sweet, exp., dms., cns. lb. 1.15 - 1.45
Angelica root, bots. lb. 40.00 -140.00
Seed, bots. lb. No stocks
Anilin (see A)
Anise, USP, Chinese, dms. lb. 1.70 - 2.75
Russian, cns. lb. 3.75 - —
Apricot kernel, cns. lb. .60 - .65
Avocado, cns., dms. lb. 1.00 - 1.10
Babassu,[1,7] tanks. lb. .12 - —
Bay, W. I., 50-55%, cns. lb. 1.30 - 1.65
Puerto Rican, 50-55%, cns. lb. 1.58 - 1.75
Bergamot, artif., cns. lb. 2.25 - 5.50
natural, Italian, cns. lb. 4.85 - 6.50
Birch (see Oil, sweet birch).
Birchtar, crude, cns. lb. 5.00 - 6.00
rectified, cns. lb. No stocks
Bois de rose, Brazil, cns. lb. 5.15 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms. lb. 2.25 Nom.
redistilled, USP IX, cns. lb. 2.40 - 2.75
Calamus, cns. lb. 20.00 -30.00
Camphor, white, nat., cns. lb. 1.25 - —
synthetic, cns. lb. .15 - .23
Cananga, native, cns. lb. 8.00 -14.00
rectified, cns. lb. 12.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns. lb. 6.35 - 8.75
Cardamom, bots. lb. 17.00 -32.50
Cassia, USP, cns. lb. 4.75 - 6.50
Castor,[1] blown, ret. dms., c.l. lb. .16½- —
l.c.l. lb. .17½- —
cold pressed, USP, cns. lb. .17 - .19
dms., c.l. lb. .15 - —
l.c.l. lb. .15½- —
tanks lb. .1490- —
dehydrated, bodied, dms., c.l. lb. .1975- —
l.c.l. lb. .2015- —
tanks lb. .1985- —

Oil, castor, dehydrated, unbodied, dms., c.l. lb. .1875- —
l.c.l. lb. .1910- —
tanks lb. .1885- —
No. 3, tech., dms., c.l. lb. .14¾- —
l.c.l. lb. .15¼- —
tanks lb. .14 - —
sulphonated, 50% (45% fat), dms., c.l. lb. .10 - .10¾
l.c.l. lb. .10½- .11
75% (63% fat), dms., c.l. lb. .12¼- .12¾
l.c.l. lb. .13 - .13¾
80% (68% fat), dms., c.l. lb. .12¾- .13
l.c.l. lb. .13¼- .13¾
Cedarleaf,[1] USP, cns., dms. lb. 2.55 - 2.70
Cedarwood, USP, cns. lb. .89 - 1.30
dms. lb. .86 - 1.15
Celery, bots. lb. 16.50 -20.00
Chaulmoogra, USP, cns. lb. .60 - .85
Chinawood (see Oil, tung).
Cinnamon bark oil, bots. lb. 32.00 -41.00
leaf, dms. lb. 1.40 - 1.85
Citronella, Ceylon, cns. lb. 1.85 - 2.75
Clove, USP, cns. lb. 1.50 - 1.85
Coconut,[1,7] crude, Ceylon, bulk, c.i.f., N. Y. lb. .0680- —
Cochin type, bulk, c.i.f. N. Y. lb. .0935- —
Manila, bulk, c.i.f. N. Y. lb. .0685- —
ret. dms. lb. .0685- .0695
edible, ex tax, bulk lb. .0965- —
Cod, Newfoundland, dms. gal. .88 - .90
tanks gal. .88 - —
Codliver, USP, bbls., dms. gal. 2.15 - 2.25
Coriander, bots. lb. 18.00 -22.50
Corn,[1,7] crude, tanks, works. lb. .12¾- —
edible, dms., l.c.l. lb. .16¼ .16½
tanks lb. .1502- —
feets, acid, 95%, tanks, dlvd. E. lb. .07¼- —
raw, 50%, tanks, dlvd. E. lb. .03¾- —
Cottonseed,[7] crude, tanks, works. lb. .16¼- —

Oil, cottonseed, foots, acid 95%, tanks, dlvd. E. lb. .07¾- —
raw, 50%, tanks, dlvd. E. lb. .03¾- —
salad, l.c.l., dms. lb. .20 - .20½
Creosote (see C).
Croton, NF, cns. lb. 4.25 - 4.75
Cubeb, cns. lb. No prices
Crude (see Petroleum, crude).
Cumin, bots. lb. 8.50 -22.00
Cypress, bots. lb. 12.00 -16.00
Degras (see D).
Dillseed, bots. lb. 6.00 - 7.00
Dillweed, bots. lb. 4.25 - 5.00
Dip (see D).
Erigeron, cns. lb. 2.25 - 2.40
Eucalyptus, USP, rect., 80-90%, cns. lb. 1.18 - 1.40
70-80%, cns. lb. 1.05 - 1.09
Fennel, sweet, cns. lb. 3.75 - 4.50
Fir, Canada, cns. lb. 2.50 - 2.60
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram.. per million units. .001 - —
200,000 or more A units... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots. oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb. 18.00 -28.00
Bourbon, cns. lb. 16.25 -22.00
Russian, cns. lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots. lb. 12.00 -14.00
Grapefruit, Florida, cns. lb. 2.20 - 2.28
California, bots., cns. lb 2.05 - 2.15
Grease,[1] common, No. 1, bbls., c.l. lb. .14 Nom.
extra, No. 1, bbls., c.l. lb. .14½ Nom.
Winter strained, bbls., c.l. lb. .15 Nom.
prime, burning, bbls., c.l. lb. .16 Nom.
inedible, bbls., c.l. lb. .15½ Nom.

Oil, guaiacwood, cns. lb. 2.90 - 4.00
Hemlock, cns. lb. 2.60 - 2.75
Herring,[1] crude, tanks, Pac. coast lb. .080 - —
Juniper, berry, dom., bots. lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns. lb. .85 - 1.00
Lard oil (see Oil, grease).
Laurel, bots. lb. No prices
Lavandin, cns. lb. 4.50 - 5.50
Lavender flower, French, 38%-42% ester, cns. lb. 11.00 -17.00
30-32% ester lb. 6.00 -10.00
Russian, cns. lb. 13.75 - —
spike, Spanish, pure, cns. lb. 2.00 - 3.10
tech., cns. lb. 2.25 - 2.50
Lemon, USP, Calif., cns. lb. 3.25 - —
Messina,[1] cns. lb. 3.25 - 4.65
Terpeneless, bots. lb. 40.00 -50.00
Lemongrass, cns., dms. lb. 4.00 - 4.30
Lignaloe seed, Mexican, cns. lb. No stocks
wood, Mexican, cns. lb. 4.75 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.50 - 7.25
West Indian, cns. lb. 6.10 - 7.50
expressed, West Indian, cns. lb. 13.50 -15.00
Linseed,[1,7] raw, dms., c.l. lb. .1680 Nom.
l.c.l. lb. .1730- .1790
tanks lb. .1600 Nom.
tankwagon lb. .1600 Nom.
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .1680 Nom.
tanks lb. .1600 Nom.
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks. gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks. gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - .25
neutral, 300 vis., No. 3, col., 0-10 pour, tanks. gal. .18½- .19
200-300 vis., No. 3, col., 15-25 pour, tanks, gal. .16 - .18
145-155 vis., No. 3 color, 10-25 pour, tanks. gal. .26 - .31
cylinder oils, 600-630 flash, tanks. gal. .17 - .19
600-650 steam, refd., tanks. gal. .15½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks. gal. .26 - .36
200 vis., 25 pour, tanks, gal. .28 - .38
Mace, dist., cns., dms. lb. 6.50 - —
Mineral, white (see Oil, white)
Mandarin, Brazilian, cns. lb. 6.60 -10.00
Menhaden,[1,7] crude, tanks, Balto. lb. .089 Nom.
refined, alkali, dms., c.l. lb. .1400 Nom.
kettle-bodied, dms., l.c.l. lb. .1500 Nom.
light-pressed, dms., l.c.l. lb. .1300 Nom.
tanks lb. .1220 Nom.
Mustard, artif., USP, cns. lb. 1.45 - 1.65
Seed, exp., dms., extra lb. .14¾- —
Neatsfoot,[1] 15°, bbls. gal. 1.80 Nom.
20°, bbls. gal. 1.75 Nom.
30°, bbls. gal. 1.55 Nom.
pure, bbls. lb. .22 - —
Neroli, French, bots. lb. 195.00 -390.00
Haitian, bots. lb. 195.00 -200.00
Nutmeg, cns. lb. 6.50 - —
Ocotea cymbarum, dms. lb. .80 - .90
Oiticica,[1] liquid, dms., c.l. lb. .25½- —
l.c.l. lb. .26 - .27
Oleo[1], extra, tcs. lb. .28½- .30
Olibanum, bots. lb. 5.00 - 5.20
Olive, denat., dms. gal. No stocks
edible,[1] Calif., 3%-½% f.f.a., dms., extra, works. gal. 4.30 - 4.50
imported, dms. gal. 4.91½- 5.11½
foots,[1] dom., dms., c.l. lb. .18 - —
tankcars, works lb. .17 - —
imp.,[1] dms., c.l., ex dock. lb. .18 - —
tankcars, ex dock lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l. lb. No stocks
l.c.l. lb. No stocks
80% (68% fat), dms., c.l. lb. No stocks
l.c.l. lb. No stocks
85% (68% fat), dms., c.l. lb. No stocks
l.c.l. lb. No stocks
Orange, sweet, dist., cs. lb. 1.25 - 1.75
expressed, USP, Brazilian, cns. lb. 1.45 - 2.00
Calif., cns. lb. 1.75 - 2.00
Florida, cns., dms. lb. 1.50 - 1.80
Messina, coppers lb. No stocks
West Indian, cns. lb. 2.25 - 3.75
sesquiterpeneless, bots. lb. 100.00 -114.00
Origanum, Spanish, cs. lb. 2.85 - 3.10
Palm,[1,7] Niger, dms. lb. .0865- —
Almaroes, cns. lb. 8.50 - —
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y. lb. .0833 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S. gal. .05¾- —
320° flash, 60-70 vis., tanks, G.S. gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S. gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y. gal. .12 - —
100-110 vis., 0/10 pour, same basis. gal. .05½- —
10/25 pour, same basis. gal. .05¼- —
Patchouli, imported, cns. lb. 103.00 -114.00
Peanut,[1,7] bleached, deod., tanks, dlvd. E. lb. .1501- —
crude, tanks, works lb. .12¾- .13¼
foots, acid, 95%, tanks, dlvd. E. lb. .09 - —
raw, 50%, tanks, dlvd. E. lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1573- .1579
Pennyroyal, dom., dms., cns. lb. 3.25 - 3.60
import, cns. lb. 3.75 - 4.10
Peppermint,[1] natural, dms. lb. 6.80 - 7.50
redist., USP, dms. lb. 7.20 - 7.85
Perilla, crude, dms. lb. No stocks
Petitgrain, Paraguay, cns., dms. lb. 4.00 - 4.35
Pimento, berry, dms. lb. 6.85 - 8.00
leaf, cns. lb. 3.25 - 3.65
Pine, ret. dms., c.l., dlvd. E. gal. .75 - .78½
l.c.l., dlvd. E. gal. .80 - .90
tanks, works gal. .65 - —
Pineneedle, cns. lb. 3.35 - 3.65
Putty, bbls., E. Segundo, Richmond, Cal. gal. .22½- —
contracts gal. 19¼- —
dms., c.l., Whiting, Ind. gal. *.24 - —
Boston, Providence gal. .25 - —
l.c.l., same basis gal. .27 - —
tanks, same basis gal. .18 - —
Martinez, Cal. gal. .23 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.



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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:

The Exchange Orange Products Co., Ontario, Calif.

Oil, rapeseed,[1] bulk	lb.	.13 - —
Red,[1] ret. bbls., c.l., dms., dlvd. E. of Rockies	lb.	.13¼- —
W. of Rockies	lb.	.14¼- —
Texas and Okla	lb.	.13¾- —
tanks, dlvd. E. of Rockies	lb.	.12½- —
W. of Rockies	lb.	.13½- —
Texas and Okla	lb.	.13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies	lb.	.15½- —
W. of Rockies	lb.	.16½- —
Texas and Okla	lb.	.16¾- —
special, non-ret. dms., bbls., c.l., dlvd. E. of Rockies	lb.	.16¾- —
W. of Rockies	lb.	.17¾- —
Texas and Okla	lb.	.17½- —
Rose, natural, coppers	oz.	31.25 -40.00
Rosemary, Spanish, tech., cns., dms.	lb.	1.20 - 1.50
USP, cns., dms	lb.	1.48 - 1 75
Rosin, 1st rectified, dms	gal.	.66 - —
2nd rectified, dms	gal.	.68 - —
3rd rectified, dms	gal.	.72 - —
Rue, bots.	lb.	4.75 - 5.25
Sage, Dalmatian, cns	lb.	6.25 - —
Spanish, cns.	lb.	2.43 - 3.50
Sandalwood, NF, Mysore, cns., case lots.	lb.	11.15 -11.25
Sardine, crude,[1,7] tanks, Pac. coast	lb.	.089 Nom.
refined, alkali, dms., l.c.l.	lb.	.1400 Nom.
kettle-bodied, dms., l.c.l.	lb.	.1300 Nom.
light-pressed, dms., l.c.l.	lb.	.1300 Nom.
tanks	lb.	.1220 Nom.
Sassafras, artificial (see Oil, ocotea cymbarum).		
natural, cns., dms	lb.	1.00 - 2.30
Savin, cns.	lb.	27.00 - —
Savory, cns.	lb.	8.00 - —
Seal,[1] No. 1, tanks, C.S. ports.	lb.	.089 - —
Sesame,[1,7] tanks	lb.	.1430- —
Shingle stain, bbls., c.l., works.	gal.	.2185- —
l.c.l., works	gal.	.25 - .29
tanks, works	gal.	.15 - .16
Snakeroot, Canada, cns	lb.	No stocks
Soybean,[1,7] clarified, dms	lb.	No prices
tanks	lb.	No prices
crude, tanks, Decatur	lb.	.15 —
deod., Winter, tanks	lb.	.19 Nom.
ret. dms.	lb.	.20 Nom.
foots, acid, 95%, tanks, dlvd. E.	lb.	.07¼- —
raw, 50%, tanks, dlvd. E.	lb.	.08¼- —
refd., varnish, dms	lb.	No prices
tanks	lb.	No prices
Spearmint, dms.	lb.	5.50 - —
Sperm, bleached, 38°, dms.	lb.	.1445- —
natural, 45°, dms	lb.	.1310- .1315
Spruce,[1] cns., dms	lb.	2.60 - 2.75
Sunflower, imported, refined, tanks	lb.	.1425- —
semi-refined, tanks	lb.	.1430- —
Sweet birch, North, cns	lb.	6.00 - 7.25
South, cns	lb.	2.50 - 3 25
Tall,[1] crude, dms., c.l., works.	ton.	53.65 -55.00
l.c.l., works	ton.	58.65 -63.65
tanks, works	ton.	40.00 -45.00
refined, dms., c.l., works.	lb.	.05 - .05½
l.c.l., works	lb.	.05½- —
tanks, works	lb.	.04½- —
Tallow,[1] acidless, bbls., Chicago.	lb.	.14¼- —
tanks, Chicago	lb.	.13¾- —
Tansy, cns	lb.	No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities	gal.	.32½- —
l.c.l., works	gal.	.29½- —
tanks, dlvd. E. cities	gal.	.27 - —
rectified, USP, bbls.	gal.	.60½- —
Tar acid (see T).		
Thyme, NF, red, cns	lb.	2.60 - 3.65
white, cns.	lb.	2.85 - 3.75
Tung,[1] dms., c.l.	lb.	.39 - .39½
l.c.l.	lb.	.40 - .41
tanks	lb.	.38½- —
Turkey red (see Oil, castor, sulphonated).		
Turpentine, rectified, USP, cns., dms.	lb.	.38 - .39
Vetiver, Bourbon, cns	lb.	37.50 -42.50
Whale,[1] ref., natural, dms.	lb.	No stocks
Winter bleached, dms	lb.	No stocks
Wheat germ, dms	gal.	10.00 12.50
White mineral, tech., 50-65 vis., dms., incl., c.l.	gal.	.37 - —
l.c.l.	gal.	.40 - .44
65-75 vis., dms., dms. incl., c.l.	gal.	.38 - —
l.c.l.	gal.	.41 - .45
USP, 80/90 vis., dms., dms. incl., c.l.	gal.	.40 - —
l.c.l.	gal.	.43 - .47
125/135 vis., dms., dm. incl., c.l.	gal.	.49 - —
l.c.l.	gal.	.53 - .56
145/155 vis., dms., dms. incl., c.l.	gal.	.51 - —
l.c.l.	gal.	.54 - .58
175/185 vis., dms., dms. incl., c.l.	gal.	.52 - —
l.c.l.	gal.	.55 - .59
200/210 vis., dms., dms. incl., c.l.	gal.	.56 - —
l.c.l.	gal.	.59 - .63
235/245 vis., dms., dms. incl., c.l.	gal.	.64 - —
l.c.l.	gal.	.67 - .71
85, 70 and 80 vis., non-ret. dms., San Francisco	gal.	.42 - —
smaller lots, same basis	gal.	.44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco	gal.	.51½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis	gal.	.53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco	gal.	.59 - —
smaller lots, same basis	gal.	.61 - .64
180 vis., non-ret. dms., 65 dms., San Francisco	gal.	.62½- —
smaller lots, same basis	gal.	.64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco	gal.	.74 - —
smaller lots, same basis	gal.	.76 - .79
Wintergreen, natural, North, cns.	lb.	5.50 -12.00
South, cns.	lb.	3.65 - 4.25
synthetic (see Methyl salicylate).		
Wood (see Oil, tung).		
Wormseed, cns.	lb.	5.00 - 5.16
Wormwood, cns.	lb.	4.85 -10.00
Ylang-ylang, Bourbon, extra, bots.	lb.	18.50 -24.00
first, bots.	lb.	14.50 -17.50
second, bots.	lb.	10.50 -14.00
third, bots.	lb.	5.75 - 9.00
Oleostearin,[1,7] loose	lb.	.17½- —
Olivine, aggregate, c.l., mines	ton.	7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works.	ton.	8.00 - —
paper bgs., c.l., works.	ton.	9.50 - —
lumps, paper bgs., c.l., works.	ton.	7.00 - —
spalls, paper bgs., c.l., works.	ton.	5.00 - —

Opium gum, USP, cns., 50-lb. lots.	lb.	12.00 - —
25-lb. lots	lb.	12.25 - —
smaller lots	lb.	12.50 -13.00
Prices on powd. and gran. USP opium are $1.00 per pound higher		
Orange, cadmium, selenide, bbls., 100-lb. lots, works.	lb.	1.50 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.17½- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
Dinitroaniline, toner[2]	lb.	1.35 - —
Molybdate,[1] bbls.	lb.	.32 - —
Orthonitroaniline toner,[2] bbls., kgs., works.	lb.	.80 - 1.00
Persian,[1] bbls	lb.	.30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.14 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.14½- —
Ment., Wyo., Colo., N. Mex.	lb.	.14¼- —
other points	lb.	.13¾- —

Orange mineral, Amer., bbls., smaller lots, Ala., etc.	lb.	.14½- —
Ariz., etc.	lb.	.15 - —
Colo., Mont., N. M., Wyo.	lb.	.14¾- —
other points	lb.	.14¼- —
Orange flowers, cs.	lb.	.46 - .48
Orange peel, Haitian, bis.	lb.	.13 - .15
sweet, bis.	lb.	.12½- .14
Oregano, Mexican, curly leaf, bgs.	lb.	.10 - .10½
flat leaf, bgs	lb.	.09½- .10¼
Orris root, Florentine, bis.	lb.	.40 - .41
Verona, bls.	lb.	.35 - .36
Portuguese, bls.	lb.	.35 - .36
Orthoamyiphenol, dms., works.	lb.	.25 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloraniline, dms	lb.	.60 - —
Orthochlorophenol, dms	lb.	.25 - .27
Orthocresol,[3] 30.4° C., min., M.P., dms., c.l., works.	lb.	.17½- .18
l.c.l., works	lb.	.18 - .18½
29° C. min., M.P., dms., c.l., works.	lb.	.16½- .17
l.c.l., works	lb.	.17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
tanks, same basis	lb.	.06½- —
Orthodichlorobenzens prices W. of Rockies 1c. per lb. higher.		
Orthonitroaniiin, dms	lb.	.43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.11 - —
grade B, dms., c.l., works.	lb.	.06 - —
l.c.l., works	lb.	.07 - —
Orthonitrochlorobenzene, dms.	lb.	.10 - .12
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms	lb.	.09 - —
Orthophenetidin, dms	lb.	.52 - —
Orthotoluidin, dms	lb.	.19 - —

Osage orange crystals, bbls.	lb.	.29 - —
extract, No. 1, bbls	lb.	.14 - —
Ouabaine, USP, bots.	gram.	3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	3.50 - —
small lots, works	lb.	3.75 - 4.15

P

Papain, powd., cs.	lb.	5.25 - 5.50
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots.	oz.	7.00 - —
smaller lots	oz.	7.05 - 7.25
Sulphate, cns.	oz.	7.10 - 7.35
Paprika,[4] Calif., sweet Callenta, ground, bgs.	lb.	.40 - .41
Chilean, bgs.	lb.	.37½- .38
Portuguese, bgs.	lb.	.38 - .41
Spanish, bgs.	lb.	.43 - .44
Para-anisidin, dms., works.	lb.	.75 - —
Parachlorophenol, dms., c.l., works.	lb.	.24 - —
l.c.l., same basis	lb.	.26 - .27
Paracresol, bbls., works	lb.	.41 - —
Paracymene, dms., c.l., works.	lb.	.1365- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobenzene, dms., c.l., works.	lb.	.11 - .12
l.c.l., same basis	lb.	.12½- .13
Paraffin,[1] crude scale, white or yellow, 124-126 AMTM, bbls., c.l., refinery	lb.	.04¼- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery	lb.	.06 - .07
123-125 ASTM, refinery	lb.	.0520- —
125-127 ASTM, refinery	lb.	.0530- —
128-130 ASTM, refinery	lb.	.0560- —
130-132 ASTM, refinery	lb.	.0585- —
133-135 ASTM, refinery	lb.	.0615- —
135-137 ASTM, refinery	lb.	.0640- —

Prices in bags 4/10c. lb. higher.

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Basis for Lilacs to create richer, stronger Lilac Odor. Add up to 10% Aldehyde FK.

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Paraformaldehyde, dms., 1,000 lbs. or more, works	lb.	.21	- —
smaller lots, works	lb.	.22	- —
Paraldehyde, tech., 96%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.12	- —
10-gal. dms., works	lb.	.15	- —
USP, cbys., cns.	lb.	.38	- .45
Paranitroaniline, kgs., works	lb.	.41	- .43
Paranitrochlorobenzene, kgs., wks.	lb.	.15	- —
Paranitrophenol, kgs.	lb.	.35	- —
Paranitrotoluene, kgs., works	lb.	.30	- —
Paraphenylenediamine, tech., kgs.	lb.	1.35	- —
Paratoluenesulphonamide, bbls.	lb.	.70	- —
Paratoluidin, bbls., works	lb.	.48	- —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.26	- —
l.c.l., same basis	lb.	.27	- —
Passion flower herb, cns.	lb.	.22	- .25
Patchouli leaves, bls.	lb.	.43	- .46
Pectin, bbls.	lb.	1.35	- —
Penicillin,[4,6] ampuls, per 100,000 units.		.43	- —
Pennyroyal leaves, bls.	lb.	.34	- .35
Pentachlorophenol, dms., works,	lb.	.30	- .38
Pentaerythritol, CP, bbls., dlvd.	lb.	.75	- —
smaller containers	lb.	1.00	- —
tech., bbls., c.l.	lb.	.27	- —
l.c.l.	lb.	.31	- —
Pentane, 28°-36° C., industrial grade, dms., c.l., Group 3.	gal.	.11	- —
l.c.l., dms., Group 3.	gal.	.19	- —
laboratory grade, tanks, Group 3.	gal.	.07¼-	.07¾
10-gal. cns., dlvd. E	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., Group 3	gal.	.20	- —
Pepper, black,[1,7] bgs., c.l.	lb.	.1515	Nom.
red, capsicum, Carolina, longs, new crop, bgs., ship't point.	lb.	.48	- .49
sports, old crop, bgs.	lb.	No stocks	
Pepper, red, capsicum, Louisiana, sports, bgs.	lb.	No stocks	
long, new crop, bgs., ship't point.	lb.	No stocks	
Chillies, Haitian, bgs.	lb.	.55	- .60
Mexican, long	lb.	.49	- .50
White,[4,7] bgs., 15 tons	lb.	No stocks	
Peppermint, dms., USP, bls.	lb.	1.20	- 1.35
imported, USP, bls.	lb.	1.40	- 1.50
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0772-	.0800
Zone 2, same basis	lb.	.0832-	.0850
Zone 3, same basis	lb.	.0882-	.0900
Zone 4, same basis	lb.	.0876-	.0900
l.c.l., Zone 1, same basis	lb.	.0883-	.0850
Zone 2, same basis	lb.	.0882-	.0900
Zone 3, same basis	lb.	.0932-	.0950
Zone 4, same basis	lb.	.0926-	.0956
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont (W), Nev., Ore., Utah, Wash.			
Peru balsam, dms.	lb.	1.25	- 1.80
Petrolatum, tech., dark, bbls., c.l., Group 3	lb.	.021	- —
golden topaz, bbls., c.l.	lb.	.032	- —
l.c.l.	lb.	.036	- —
red, veterinarian, bbls., c.l.	lb.	.024	- —
l.c.l.	lb.	.028	- —
USP, amber, non-ret. dms., c.l.	lb.	.03⅜	- —
l.c.l.	lb.	.04⅜	- —
extra amber, dms., c.l.	lb.	.04	- —
l.c.l.	lb.	.05	- —
cream, c.l., dms	lb.	.05⅜	- —
l.c.l.	lb.	.06⅜	- —
white, lily, dms., c.l.	lb.	.06¼	- —
l.c.l.	lb.	.07⅜	- —
snow, dms., c.l.	lb.	.06⅞	- —
l.c.l.	lb.	.08⅜	- —
Petrolatum, USP, white, soft, dms., c.l.	lb.	.06¼	- —
l.c.l.	lb.	.07½	- —
yellow, soft, dms., c.l.	lb.	.03¾	- —
l.c.l.	lb.	.04¼	- —
Petroleum, crude, bulk, at wells, California, heavy grades	bbl.	1.28	- 1.98
Illinois	bbl.	1.67	- —
Kentucky, Union County	bbl.	1.62	- 1.67
Louisiana-Arkansas	bbl.	1.16	- 1.50
Oklahoma-Kansas	bbl.	1.15	- 1.55
Pennsylvania, lower field	bbl.	3.23	- 3.35
Upper field	bbl.	1.66	- 3.00
Texas, East	bbl.	1.60	- —
Gulf coast	bbl.	1.40	- 1.83
North, North-Central	bbl.	1.36	- 1.60
Panhandle	bbl.	1.08	- 1.50
West	bbl.	1.00	- 1.40
Wyoming	bbl.	1.15	- 1.55
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E	gal.	.55	- —
dms., c.l., Group 3	gal.	.10	- —
l.c.l., same basis	gal.	.20	- —
35°-60° C., 10-gal., cns., dlvd., E	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.29	- —
40°-75° C, 10-gal., cns., dlvd., E	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.29	- —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2	gal.	.04½	- —
No. 3	gal.	.04¼	- —
Bayonne, No. 2, tanks	gal.	.0630	- .0640
California, heavy	bbl.	1.25	- 1.30
light	bbl.	1.35	- 1.40
diesel	gal.	.04¾	- .05¼
Group 3, No. 1	gal.	.04¾	- .04⅞
No. 2, straw	gal.	.04¼	- .04⅝
No. 3	gal.	.04	- .04¼
Petroleum, fuel oil, furnace, tanks, at refinery, Oklahoma, No. 1, p.w.	gal.	.04⅝	- .05⅛
No. 1, straw	gal.	.04⅝	- —
No. 2, straw	gal.	.04⅛	- .04⅝
No. 3	gal.	.04	- .04½
No. 6	gal.	.04½	1.15 - 1.35
range	gal.	.04½	- —
Pennsylvania, No. 1	gal.	.06⅝	- .07
No. 2	gal.	.06¼	- .06⅞
No. 3	gal.	.06¼	- .06⅞
36-40 gravity	gal.	.06¼	- —
bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92	- —
Baltimore, sta.	bbl.	1.72	
Boston, Mass.	bbl.	1.965	- —
Charleston, S. C.	bbl.	1.83	- —
Jacksonville, Fla.	bbl.	1.63	- 1.83
New York, N. Y.	bbl.	1.92	- 2.02
Norfolk, Va.	bbl.	1.88	- 1.93
Philadelphia, Pa.	bbl.	1.92	- 2.02
Portland, Me.	bbl.	2.01	- 2.06
Providence, R. I.	bbl.	1.98	- 2.04
Savannah, Ga.	bbl.	1.88	- —
Lacquer diluent, California, 100 i.b.n., 200 e.p., tanks, dlvd. Los Angeles	gal.	.12	- —
Fort Wells, Wash.	gal.	.13	- —
East Coast, N. J., N. Y., tanks, refinery	gal.	.12	- —
Group 3, benzol type, tanks.	gal.	.08⅞	- —
toluol type, tanks.	gal.	.08⅝	- —
San Francisco	gal.	.11½	- —
Willbridge, Ore.	gal.	.12	- —
Mineral spirits, California, San Francisco, 168-232 b.r., tanks.	gal.	.10¼	- —
198-290 b.r., tanks	gal.	.11¼	- —
246-397 b.r., tanks	gal.	.11½	- —
312-408 b.r., tanks	gal.	.10	- —
362-458 b.r., tanks	gal.	.10	- —
East Coast, N. J., N. Y., tanks, refinery.	gal.	.10½	- —
Group 3, tanks, refinery.	gal.	.07½	- —
Gulf coast, tanks	gal.	.07⅞	- —
tankwagon, Baltimore	gal.	.15½	- —
Boston	gal.	.12½	- —
Bridgeport, Conn.	gal.	.1680	- —
Buffalo	gal.	.11	- —
Camden, N. J.	gal.	.11	- —
Chicago	gal.	.1460	- —
Detroit	gal.	.1710	- —
Hartford	gal.	.1680	- —
Kansas City, Mo.	gal.	.1280	- —
Lancaster, Pa.	gal.	.12½	- —
Newark	gal.	.13	- —
New York	gal.	.11½	- —
Philadelphia	gal.	.11½	- —
Pittsburgh	gal.	.13	- —
Providence	gal.	.13½	- —
Rochester	gal.	.12	- —
St. Louis	gal.	.1370	- —
Syracuse	gal.	.1270	- —
Washington, D. C.	gal.	.15½	- —
Wilmington, Del.	gal.	.11½	- —
Naphtha, cleaners, California, tanks, San Francisco	gal.	.13	- —
East coast, N. J., N. Y., tanks, refinery.	gal.	.11½	- —
Group 3, tanks, refinery.	gal.	.08½	- —
tankwagon, Newark	gal.	.12½	- —
Bridgeport	gal.	.18	- —
Chicago	gal.	.14¼	- —
Detroit	gal.	.15½	- —
New York	gal.	.12	- —
Philadelphia	gal.	.125	- —
St. Louis	gal.	.1470	- —
high-solvency, No. 8, tanks, Paulsboro, N. J.	gal.	.16	- .225
No. 30, tanks, same basis.	gal.	.17	- .220
No. 40, tanks, same basis.	gal.	.17¼	- .220
No. A-80, tanks, Carteret, N. J.	gal.	.21½	- —
Chicago, Cincinnati, Detroit	gal.	.24	Nom.
No. B-90, tanks, all shipping points.	gal.	.24½	- —
No. F-80, tanks, Carteret, N. J.	gal.	.23	- —
V.M.&P., at refinery, California, 46.5, 254 i.b.p., 380 e.p., tanks, El Segundo	gal.	.12	- —
Richmond	gal.	.12½	- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.13	- —
64-77, 190 i.b.p., 310 e.p., Los Angeles	gal.	.11	- —
San Francisco	gal.	.11½	- —
Portland, Seattle	gal.	.12	- —
Group 3, tanks	lb.	.08⅛	- —
Gulf Coast (dlvd. New Orleans), tanks.	gal.	.08⅝	- —
tankwagon, Boston	gal.	.13½	- —
Chicago	gal.	.1460	- —
Detroit	gal.	.1710	- —
Milwaukee	gal.	.15½	- —
Minneapolis	gal.	.1540	- —
Newark	gal.	.14½	- —
New York	gal.	.12½	- —
Philadelphia	gal.	.13	- —
Pittsburgh	gal.	.14	- —
St. Louis	gal.	.1470	- —
Solvent, rubber, at refinery, California, San Francisco	gal.	.26½	- —
East Coast, N. J., N. Y., tanks.	gal.	.11½	- —
Group 3, tanks	gal.	.08½	- —
Stoddard (CS 8-33), at refinery:— California (San Francisco), tanks.	gal.	.12	- —
East Coast, N. J., N. Y., tanks.	gal.	.10½	- —
Group 3, tanks	gal.	.07⅛	- —
Pennsylvania, western, tanks.	gal.	.07¼	- .07½
tankwagon, Baltimore	gal.	.14	- —
Boston	gal.	.12	- —
Chicago	gal.	.14½	- —
Detroit	gal.	.16½	- —
Milwaukee	gal.	.15½	- —
Minneapolis	gal.	.1540	- —
Newark	gal.	.12	- —
New York	gal.	.12	- —
Philadelphia	gal.	.12	- —
Pittsburgh	gal.	.13½	- —
St. Louis	gal.	.14½	- —
Syracuse	gal.	.15	- —
Sulphonates, 60% sulphonic content, ret. dms., c.l., works	lb.	.09⅝	- —
l.c.l., works	lb.	.09⅝	- .10⅜
tanks, works	lb.	.09¼	- —

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Phone COlumbus 5-8400

SHEFFIELD — *century-old name in milk — latest word in milk chemicals*

DIVISION OF NATIONAL DAIRY PRODUCTS CORPORATION

Petroleum sulphonates, 50% sulphonic content, ret. dms., c.l., works..lb. .09½- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09¾- —
Phenobarbital, cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald., lb. .10 - —
l.c.l., same basis.....lb. .10¾-
tanks, same basis.....lb. .09 - .09¼
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .08¾- .09½
USP, dms., c.l., same basis..lb. .10½- .12½
l.c.l., same basis.....lb. .11¼- .13¼
tanks, same basis.....lb. .09½- .11½
Phenolphthalein, bar, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
Yellow, fb. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, NF, fb. dms., ton lots or more, works..lb. .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde, solution, 50%, bots..lb. 2.45 - 2.50
pure, bots.....lb. 4.00 - 5.00
Phenylethyl acetate, dms.....lb. 2.15 - 2.70
Phenylethylphenyl, acetate, bots. lb. 5.85 - 7.50
Phenylhydrazin, bas, CP, bots.lb. 4.85 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial tgs., works...lb. 1.75 - —
Phloroglucinol, CP, fb. dms...lb.13.75 -14.75
tech., fb. dms.....lb.12.00 -12.50
Phosgene, ton lots, works.....lb. .19 - —
Phosphate, defluorinated (see under D)
Phosphate rock,[1] Fla., land pebble unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l.....
long ton. 2.60 - —
70%-68%, same oasis..
long ton. 3.00 - —
72%-70%, b.p.l., same basis..long ton. 3.60 - —
75-74%, b.p.l., same basis..long ton. 4.60 - —
77½-76%, b.p.l., same basis..long ton. 5.60 - —
entirely pebble, 50c. per ton higher than above prices.
Finely ground, 65.5% b.p.l., 30% P_2O_5 minimum.....
short ton. 3.15 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tennessee, brown, unground, run-of-mine, 76-68% b.p.l., 5½% I. & a., same basis..
long ton. 5.50 - —
72%-70%, b.p.l., 5½% I. & a., same basis..long ton. 6.00 - —
refinery ground, 29% P_2O_5, same basis..long ton. 5.15 - —
30% P_2O_5, same basis....
long ton. 5.35 - —
31% P_2O_5, same basis.
short ton. 5.45 - —
32% P_2O_5, same basis....
short ton. 5.70 - —
33% P_2O_5, same basis....
short ton. 6.20 - —
Phosphorus, red, amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow, cns.....lb. .23 - .28
dms., c.l.....lb. .14½- —
Oxychloride, dms., c.l.....lb. .10½- —
l.c.l., dms.....lb. .12½- .13
Pentoxide, dms., c.l., works.. lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .43
Trichloride, dms., c.l.....lb. .10¼- —
l.c.l.....lb. .12½- .13
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 6.00 - —
Pilocarpine hydrochloride, USP, bots., wts..oz. 5.25 - 6.50
Nitrate, bots., wts.....oz. 5.15 - 6.25
Pimento, Jamaica, bgs.....lb. .24 - .24½
Pinetar, retort, dms., incl., c.l., works, divd. E..gal. .31 - .37½
l.c.l., works, dms. incl..gal. .33 - —
tanks, divd. E.....gal. .27 - .30
Pinkroot, bls.....lb. 1.00 - 1.05
Piperazine hexahydate, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Cottonseed, dms., works.....lb. .04 - .06
Hardwood, paper bgs., works.. lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 6.50 - —
stands, 200 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms.....lb.10.50 -10.70
Pokeroot, bls.....lb. .19 - .20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .33 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld....lb. .34 - .37
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs..lb. .75 - .76
Poppy flowers, bls.....lb. .60 - .70
Seed, Argentine, bgs., futures. lb. .23 - .23½
Danish, bgs.....lb. .25 - .26½
Dutch.....lb. .28 - .28½
Indian, white, bgs.....lb. No stocks
Swedish, bgs.....lb. .25 - .25½
Turkish, bgs.....lb. .25 - .26
Potash abietate.....lb. .60 - —
Acetate, USP, dms.....lb. .28 - —
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .10 - .21
Bichromate,[1] kgs., c.l. works. lb. 10 -
l.c.l., works.....lb. .10½- .10¾
Potash bichromate in bbls. ¼c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015- —
Bromide, USP, gran., 500-lb. bbls., dms..lb. .32 - —
100-lb. kgs.....lb. .33 - —
Carbonate, calcined, bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —

Potash, carbonate, hydrated, 83-85%, bbls., c.l., works. lb. .05½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works. 100 lbs. 9.31 - —
l.c.l., works....100 lbs. 9.65½- —
liquid, dms., c.l., works.... 100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.65½- —
tanks, works.....100 lbs. 8.06 - —
solid .....100 lbs. 8.56 - —
l.c.l., works.....100 lbs. 8.93½- —
regular, flake, 88-92%, dms., l.c.l., works.....lb. .07¼- .07½
liquid, 45% basis, dms., c.l., c.l., works..lb. .07 - —
works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09½- .09½
tanks, same basis.....lb. .07¾- —
solid, 88-92%, dms., c.l., works..lb. .06¾- —
l.c.l. .....lb. .06½- .06¾
Chromate, bgs.....lb. .34 - .38
Chlorate,[1] cryst., kgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb .119 - .13
powd., dms., kgs., c.l., works. lb. .09¾- —
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 95%, bgs., kgs..lb. .06 Nom.
Citrate, USP, gran., bbls., dms. lbs. 33½- .33½
powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% solution, cns., cbys..lb. 1.65 - 1.67
dms., 1,000-lb. lots.....lb. 1.50 - —
100-lb. lots.....lb 1.60 - —

Potash guaiacosulphonate, NF, dms..lb. 1.65 - 1.75
Hydroxide, USP, sticks, dms..lb. .54 - .60
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Manure salt, 22%, K_2O, Carlsbad, N. M..unit-ton. .20 - —
20% K_2O, same basis..unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60-62-63% K_2O, bulk, ex-vessel, ports.... unit-ton. .53½- —
granular, 50 - 52% K_2O.... unit-ton. .53½- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 5c. per unit of K_2O less than ex vessel price at Pacific coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral pure, gran., obls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works.....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .29½- .31
Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .58
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs 4.25 -

Potash silicate, solut., l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.00 -
32° Be, ret. dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min. 90% ex vessel Atlantic or Gulf ports..ton.36.25 - —
West coast potash ports, same basis..ton.39.25 - —
Sulphocyanide, cryst., N.F., dms...lb. .62 - .70
Triocyanate (see Potash sulphocyanide)
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.90
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.36.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .45
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs.....lb. .20 - .2
Prince's pine herb, bls.....lb. .50 - .60
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[4] industrial grade, tanks, Group 2..gal. .03¾-

Michigan

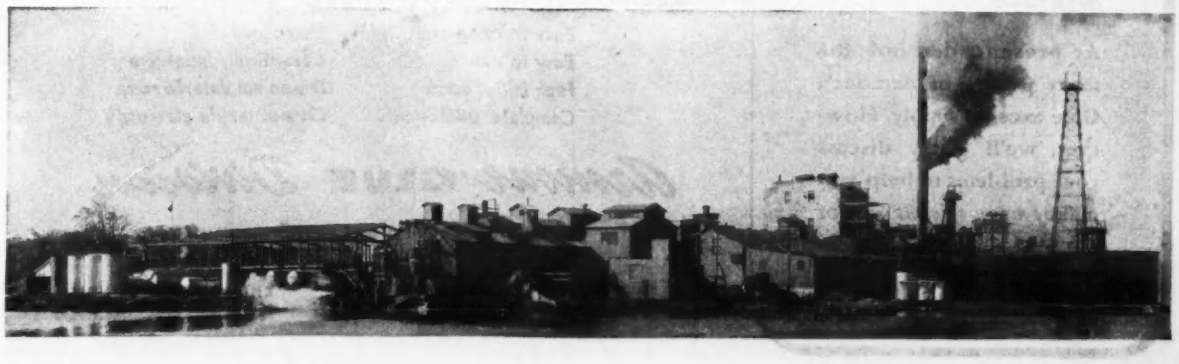
CHEMICAL

PRODUCTS

Now Available

For information concerning any of the following industrial, pharmaceutical and insecticidal chemicals write MICHIGAN CHEMICAL CORP., Plant and Main Office, Saint Louis, Michigan or New York Office, 70 East 45th St., New York 17, N. Y.

Allyl Bromide
Aluminum Bromide
Ammonium Bromide
Barium Bromide
Bromine
Bromoform
2-Bromothiophene, Pure
n-Butyl Bromide
Calcium Bromide
Liquid Calcium-Magnesium Chloride
Chlorobromomethane, Pure
3.5-Dibromo-(1)-tyrosine
Dichloro-diphenyl-trichloroethane (DDT)
Ethyl Bromide
Ferrous Bromide, 50% Solution
Hydrobromic Acid
Isoamyl Bromide
Magnesium Bromide
Magnesium Oxide Products
Mercuric Bromide
Methyl Bromide
Methyl Monobromoacetate
Methylene Bromide, Pure
n-Propyl Bromide
Phosphorous Tribromide
Potassium Bromide
Sodium Bromide
Sodium Chloride
Strontium Bromide
Zinc Bromide



Propylenegiycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .60 - .65
Pumice, grd., fine, bgs., ton lots, c. 68%- —
smaller lots.....lb. .09½- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03½- —
smaller lots.....lb. .03½- .04½
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. .27 - .28
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 6.65 - —
odorless base, dms., works. gal. 6.75 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works..gal. 10.00 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .38½- —
powder, 0.6% pyrethins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, rct. dms., same basis. lb. .45 - .45½
Pyrites, Spanish, c.i.f. Atl. ports. ton ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton. 10.00 -11.50
325 mesh, same basis....ton. 13.00 -13.90
No. 3, 200 mesh, c.l., mines..ton. 9.50 - —
325 mesh, same basis.....ton. 11.50 - —
Pyrophylite in paper bgs., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, ss., wks.lb. .14 - —
opaque, white, China, ivory, cs, works..lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works..lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works, lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract,[1] sol'l, 65% tannin, bgs., c.l., ex dock, in bond..lb. .063125- .06325
clarified, 64% tannin, bgs., c.l., same basis..lb. .068125- .070625
dissolved, 55% tannin, bbls., works..lb. .04575- .0595
tanks, works.....lb. .04075- —
ground, 70% tannin, bgs., c.l. lb. .060 - —
l.c.l. .....lb. .0615- —
Quebracho extract prices based on $13 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - 15
Quercitron, crystals, bbls.....lb. .22 - —
extract, bbls., No. 1.....lb. .13 - —
solid, bxs. .....lb. .25 - —
Quicksilver, flasks (76 lbs. net).. flask. 96.00 -97.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns. oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Asenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs., oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz No stocks
Ferrocyanide, cns., 100 ozs.oz No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .89½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydroiodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs. ozs..oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. 80½- —
Sulphocarbolate, cns., 100 ozs. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride,[6] USP. cns..oz. No stocks
Quinoline, dms.. c.l., works...lb. .94½- .99

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.75 - 1.90
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.60
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., E. of Rockies..lb. 1.30 - —
light shade, bbls., same basis..lb. 1.15 - —
medium shades, bbls., same basis..lb. 1.10 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works.. lb. 2.50 - 3.00
light, same basis.....lb. 2.50 - 2.60
Orange (see Orange).
Carmine, No. 40, dms., bulk, works..lb. 5.50 - —
smaller lots, same basis..lb. 6.10 - —
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, com., pure, bls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09½- —
80-85%, bbls., same basis.lb. .09½- —
imp., English, all shades..lb. .13 - —
Iron oxide, pure, bbls.....lb. .09 - .09½
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .03½- —
80% copperas oxide, bbls., same basis..lb. .035 - .004
Lacquer, maroon, bbls., works, lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb .60 -
Pink, bbls., works.. .....lb. .20 - .25
Rose lake, bbls., works....lb. .20 - .25
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.90 - —
smaller lots, works...lb. 2.65 - —
Metallic, bbls., works.....lb. .62 - —
Oxide (see Red, iron oxide).
Para toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange)
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04½- .07½
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks....lb. .0220- —
10%, bbls., works.....lb. .0345- —
15%, bbls., works.....lb. .0360- —
20%, bbls., works.....lb. .02½- —
25%, bbls., works.....lb. .02 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .35 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., dbl. dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP cryst., dms. frt. alld..lb 1.60 - —
Rhatany root, bgs.....lb. .13 - .14
Rhubarb, whole, cs.....lb. 1.85 - 1.90
powd., bbls. .....lb. 1.95 - 2.00
Riboflavin, bots.....kilo. 200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option lb .70 - —
Rochelle salt, gran. powd., bbls., 5,000 lbs., 1 ship't..lb. .33½- —
smaller lots.....lb. .39 - .42
Rose flowers, pale, bls.....lb. .33 - .34
Rosemary flowers, ots.....lb. 1.55 - 1.65
Leaves, Portuguese, bls.....lb .06½- .09
Spanish, bls.....lb 12½- .13
Rosin, gum—
B, dms., c.l.....100 lbs. 6.25½- —
D, dms., c.l.....100 lbs. 6.32½- —
E, dms., c.l.....100 lbs. 6.85½- —
F, dms., c.l.....100 lbs. 6.95½- —
G, dms., c.l.....100 lbs. 6.99½- —
H, dms., c.l.....100 lbs. 7.01½- —
I, dms., c.l.....100 lbs. 7.01½- —
K, dms., c.l.....100 lbs. 7.05½- —
M, dms., c.l.....100 lbs. 7.07½- —
N, dms., c.l.....100 lbs. 7.23½- —
WG, dms., c.l.....100 lbs. 7.48½- —
WW, dms., c.l.....100 lbs. 7.75½- —
X, dms., c.l.....100 lbs. 7.75½- —
Wood, B (resin), dms., c.l., works..100 lbs. 4.60 - —
FF, dms., c.l., works.100 lbs. 5.50 - —
G, H, I, dms., c.l., works, 100 lbs. 5.95 - —
K, dms., c.l., works..100 lbs. 6.00 - —
M, dms., c.l., works..100 lbs. 6.05 - —
N, dms., c.l., works .100 lbs. 6.15 - —
WG, dms., c.l., works.100 lbs. 6.25 - —
WW, X, dms., c.l., works... 100 dms. 6.40 - —
Rotenone,[1] bbls., works.....lb. 12.05 -14.90
extract, liq., dms., works..... per unit. 1.15 - —
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton. 25.50 - —
c.l., mines.....ton. 27.50 - —
Rue bls.....lb. .45 - .50

WE'LL KEEP USING A TIME-TESTED, "NATURAL" ADHESIVE . . . ARMOUR'S ANIMAL GLUE

that's right, Mister...

The oldest glue, Animal Glue, *has proved it's good!* It's a time-tested, "natural" product—not a synthetic. And years of experience in the glue business go into the perfection of Armour's Animal Glue.

and that's not all...

We suggest that you investigate the possibilities of Armour's Animal Glue for:

Calcimine **Matches**
Barrel Sizing **Abrasives**
Container Liners
Printers' Rollers
Textile Sizing **Rubber**
Use in Dye Vats
Gummed Tape
Paper Boxes **Furniture**
Clarification Processes

• • • • •

Important:

At present, demand for many grades of Armour's Glue exceeds supply. However, we'll gladly discuss your problems to help you make *more efficient use* of the glue that is available.

Armour's Animal Glue is easy to use... You can use Armour's Animal Glue *without complicated chemical additions!* Merely mix with water, melt and use.

It has great tensile strength . . . Tensile strength up to 5,000 pounds per sq. in. gives the really tough bonding agent that means better performance for your products . . . *it's glued for good with Armour's!*

It's absolutely uniform . . . The careful, scientific controls in making Armour's Animal Glue means *complete* uniformity . . . help assure efficient, uninterrupted production in your plant.

It will not deteriorate . . . Unlike some adhesives, it loses no performance qualities in storage. Armour's Animal Glue has a long life in solution.

It has no impurities... Armour's Animal Glue is commercially clean, chemically inactive and one hundred per cent glue.

Remember This About Armour's Animal Glue...

Easy to prepare — *Pure and clean*
Easy to use — *Chemically inactive*
High initial tack — *Does not deteriorate*
Complete uniformity — *Great tensile strength*

Armour GLUE Division

MANUFACTURERS OF HIDE GLUE, BONE GLUE, FLEXIBLE GLUES, SOLUBLE DRIED BLOOD, BLOOD ALBUMIN

1355 WEST 31ST STREET • CHICAGO 9, ILLINOIS

—provide CLEAN drums for re-use

As shown in the T-square test pictured above, the flanges of Tri-Sure Closures engage perfectly *flush* with the inside of the drumhead. Any solution put into the drum for the purpose of cleansing, preparatory to re-use, drains completely out — your drum is certain to be *clean* and *free from contamination—fully flushed, sanitary* and ready to "go" again — a *safe* container for any liquid. Tri-Sure *full drainage* is an important feature to every user of drums. It prevents waste and gives full quantity in every delivery; it assures clean drums that can be refilled with confidence. Get this protection in every drum — by specifying "Tri-Sure Closures" in every new or used drum order.

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

THERE IS NO SUBSTITUTE FOR TRI-SURE CLOSURES

S

Sabadilla seed, powd., bbls....lb. .35 - .70
activated, ground with lime, bbls..lb. .35 - .70
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots .....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Spanish, USP, tins.....lb.39.00 -40.00
not USP, tins.....lb.38.75 -39.00
Safrol, cns. .....lb. 1.10 - 1.15
Sage, leucophylla, bgs., Pacific coast..lb. .32 - .33
Cyprus, good, bls.....lb. .18½- .19
futures .....lb. .17 - .17½
Dalmatian, bls., futures.....lb. .35 Nom.
Greek, bls. .....lb. .29 - .29½
Palestine, bls. .....lb. .16 - .16½
Spanish, bls. .....lb. .13¼- .13¾
Washington, Dalmatian-type, bls..lb. .40 - .41
Sago flour, bgs.....lb. .14 - —
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms. .....lb. .92 - .93
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs .....ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.00 -23.25
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 9.00
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns.kilo.170.00-185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls. .....lb. .45 - .47
Mexican, bls. .....lb. .32 - .33
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls. .....lb. .70 - .75
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls. .....lb. .22 - .22½
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns. .....lb. 1.35 - —
Root, bgs. .....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd., cns., 10 lb. lots..lb. 1.35 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.20 - 2.25
Senna, Alex., half-leaf, bls....lb. .27 - .28
siftings, bgs. .....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .24 - .25
2, bls.....lb. .22 - .23
3, bls.....lb. .19 - .20
powd., bbls., bgs.....lb. .24 - .25
Pods, bls. .....lb. .13 - .14
Serpentaria root, bls.....lb. 2.25 Nom.
Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. No prices
Boston .....lb. No prices
Chicago .....lb. No prices
Pacific coast .....lb. No prices

Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.

Superfine, 100 bgs., Boston, N. Y...lb. No prices
Chicago .....lb. No prices
Pacific coast .....lb. No prices
TN, 100 bgs., Boston, N. Y.lb. No prices
Chicago .....lb. No prices
Pacific coast .....lb. No prices

Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more

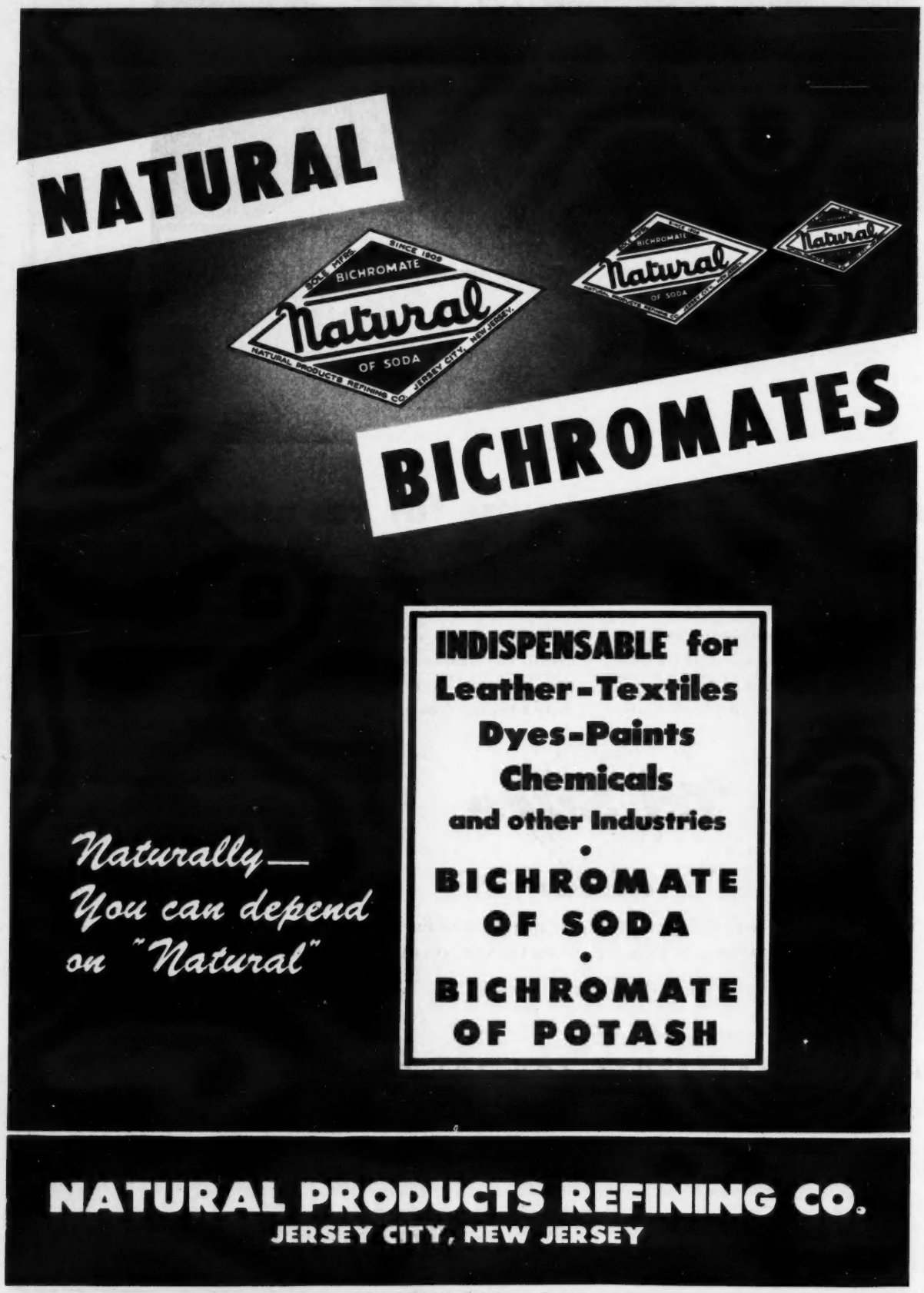
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works, ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works, ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., works.....ton.35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., wks..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.15.50 - —
l.c.l., works.....ton.18.50 - —
Silica, hard quartz, 140 mesh, bgs., c.l., works....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27
Silver bullion.....oz. .90¼- .91
Cyanide, cns., 100 ozs.....oz. .7486- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .58¼- —
1,000-oz. lots .....oz. .58½- —
500-oz. lots .....oz. .58¾- —
single ounces, bot.....oz. .59 - —
Neucleinate, USP, bots., dms., 1,000-oz. lots..oz. .36 Nom.
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .288 Nom.
Simarubra bark, ois .....lb. .57 - .58
Skullcap, Eastern, bls.....lb. .60 - .65
Western, bls. .....lb. .80 - .85
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Slug berries, bgs.....lb. .40 - .41
Smalt, black, dms.....lb. .06 - .06
Blue, dms.....lb. .07 - .08
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls.....lb. .28 - .30
crushed, bls., bbls.....lb. .32 - .34
cut., dom., bls., bbls.....lb. .33 - .34
imp., bbls.....lb. No stocks
powd., bbls.....lb. .31 - .33
Soda acetate, anhyd., dms., divd. lb. .06¼- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., divd.....lb. .06½- .08
Alginate, refined, water-soluble, bbls., works..lb. .70 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., divd ....lb. .16 - .16½
Arsenate, dms., dealers, c.l, works..lb. .09½- —
l.c.l., works.....lb. .10¾- .11¼
grey, dms., dealers, c.l., wks. lb. .06¼- —
l.c.l., works.....lb. .09 - .10

Soda arsenate, gray, ¾c. higher in Chi.; 3c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., divd., zone 1.... 100 lbs. 2.13 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1, 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.18 - —
l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works..100 lbs. 1.66 - —
l.c.l., divd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E of Miss. R. and N. of south bound. of Ky and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Gta.; Iowa (except Davenport), Minn.; Mo. (except St Louis), Neb. E. of 98°, N. C., S. C., Texas and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .30 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .53
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works.. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[1] bgs., c.l., works. lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .13½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 -
l.c.l., works.....100 lbs. 1.55 -
30° bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. 28 - —
fiber dms., 100 lbs., works, lb. .26 - —
Cacodylate, bots., dms.....lb. 8.50 -10.50
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 2.70 - —
l.c.l., Zone 1, divd.100 lbs. 3.55 - —
2, divd.....100 lbs. 3.70 - 3.80
3, divd. .....100 lbs. 3.95 - 3.80
4 divd.....100 lbs. 4.65 - 5.70
liquid, 47-49% buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works. 100 lbs. 1.95 - —

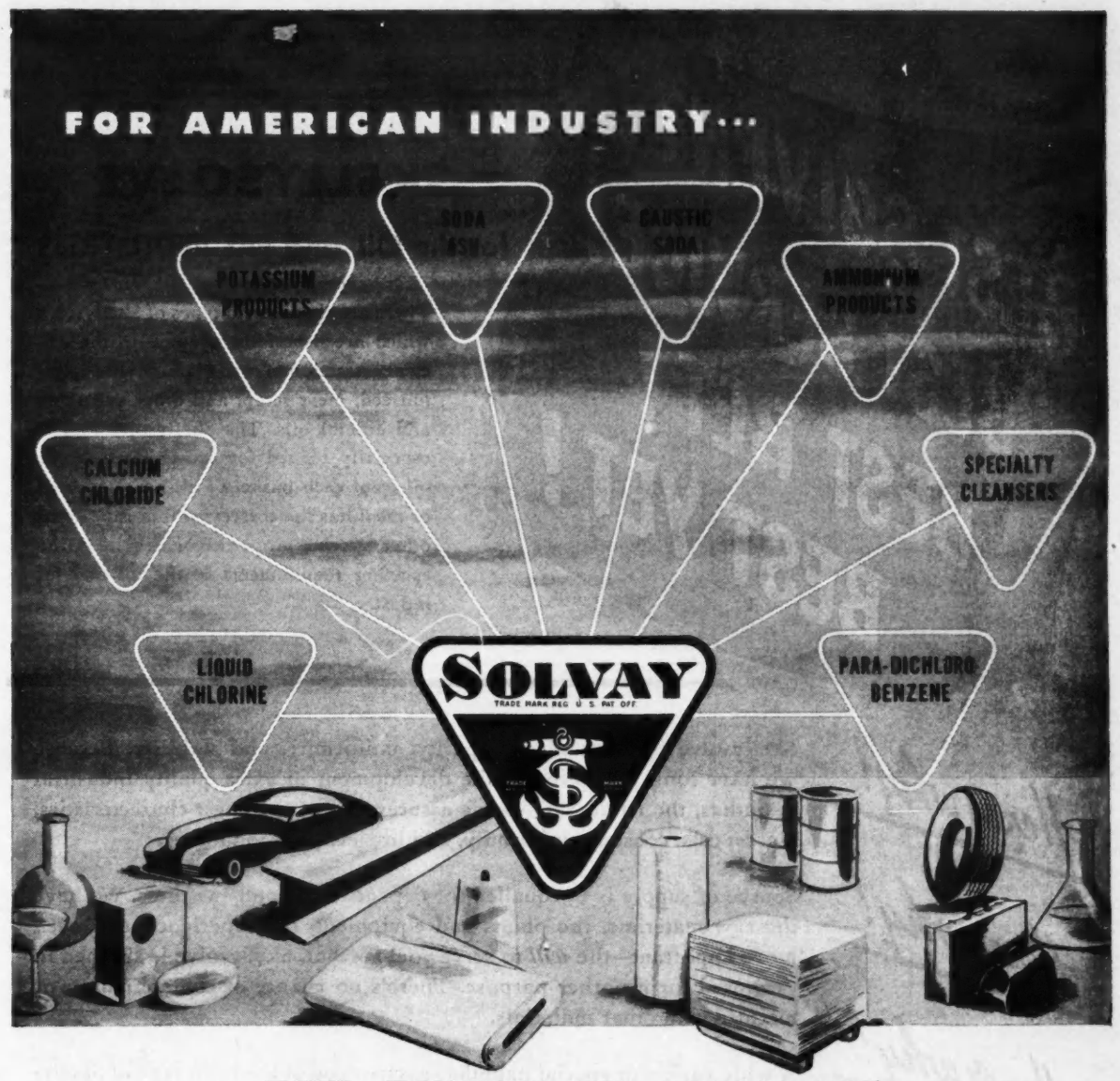


Soda caustic, liquid, 70%, buyer's tanks, works	100 lbs.	1.97½	—
seller's tanks, works	100 lbs.	2.00	—
solid, 76%, dms., c.l., works	100 lbs.	2.30	—
l.c.l., zone 1, divd.	100 lbs.	2.15	—
2, divd.	100 lbs.	2.30	—
3, divd.	100 lbs.	2.55	—
4, divd.	100 lbs.	2.95	—
Caustic soda zones are same as soda ash.			
Chlorate, cryst., bgs., c.l., works	lb.	.06¼	—
l.c.l., works	lb.	.06½	—
powd., bgs., c.l., works	lb.	.06½	—
l.c.l., works	lb.	.07	.08½
Chloride (see Salt).			
Chromate,[1] bbls., ckg., c.l., works, frt. equald.	lb.	.09½	—
l.c.l., works, frt. equal.	lb.	.09¾	.09¾
Soda chromate in bgs. is ½c. less.			
Citrate, USP VIII, bbls.	lb.	.16½	—
dms.	lb.	.19½	.20½
USP XII, gran., bbls.	lb.	.24	—
dms.	lb.	.25	.30
powd., bbls.	lb.	.24½	—
dms.	lb.	.25½	.30½
Cyanide, 96-98%, dms.	lb.	.14½	.16
Diacetate, 32-35% acidity, bbls., divd.	lb.	.09½	.10½
anhydrous, dms., divd.	lb.	.12½	—
Fluoride, white, 90%, bbls., c.l., works	lb.	.07	—
l.c.l., works	lb.	.08	—
96%, bbls., c.l., works	lb.	.07¼	—
l.c.l., works	lb.	.08¼	—
Soda fluoride prices at Los Angeles are f.a.s. works.			
Formate, bgs., c.l., works	lb.	.0635	—
l.c.l., works	lb.	.080	—
Glutamate, monobasic, bgs.	lb.	1.04	1.06
Glycerophosphate, NF, crys., bbls.	100 lbs.	1.28	—
dms.	lb.	1.40	—
powder, 5c. higher.			
solution, 50%, chys., tns.	lb.	.32	.90
Hydrosulphite, dms., c.l., frt. alld.	lb.	.16½	—
l.c.l., frt. alld.	lb.	.18	—
Hydroxide, USP, sticks, dms.	lb.	.67	.70
Hypophosphite, NF, cns.	lb.	.67	.70
Hyposulphite, cryst., bgs., c.l., works, frt. equald.	100 lbs.	2.25	—
l.c.l., same basis	100 lbs.	2.50	—
pea, cryst., bgs., c.l., works	100 lbs.	2.60	—
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.			
USP, cryst., bbls.	lb.	.10	.12
Iodate, dms., jars	lb.	5.40	5.45
Iodide, bots.	lb.	2.52	2.67
dms., jars	lb.	2.42	—
Mandelate, dms.	lb.	2.25	2.30
Metaborate, gran., bbls., c.l., divd.	lb.	.0455	—
l.c.l., N. Y., or Chi.	lb.	.051	—
bgs., c.l., divd.	lb.	.0455	—
l.c.l., N. Y., or Chi.	lb.	.046	—
Metanilate, bgs.	lb.	.60	—
Metasilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.05	—
l.c.l., same basis	100 lbs.	4.90	5.00
gran., bbls., c.l., works, frt. equald.	100 lbs.	2.50	—
l.c.l., divd.	100 lbs.	3.30	3.55
Methylate, bots., works	lb.	1.00	—
cns., works	lb.	.85	.90
dms., works	lb.	.65	.80
Molybdate,[1] anhyd., kgs., works	lb.	.47	—
crystals, bgs., works	lb.	.60	—
Monohydrate, bgs., c.l.	100 lbs.	2.20	—
works	100 lbs.	2.45	—
Naphthionate, bbls.	lb.	.50	—
Nitrate, crude, dom., 100-lb. bgs., c.l., works	ton.	30.05	—
bulk, c.l., works	ton.	27.00	—
refd., gran., bbls., 10 tons.	100 lbs.	3.60	—
smaller lots	100 lbs.	3.75	4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse.	ton.	38.50	—
bulk, same basis	ton.	35.50	—
Nitrite, 96-98%, bbls., c.l., works, frt. equald.	lb.	.09¾	—
west coast ports	100 lbs.	8.05	8.65
l.c.l., divd.	100 lbs.	8.90	11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.50	—
l.c.l., same basis	100 lbs.	5.45	5.90
flake, dms., c.l., works	100 lbs.	3.10	—
l.c.l., divd.	100 lbs.	4.30	4.55
Oxalate, neut., bgs., works	lb.	.10	—
Pantothenate, dextrorotary, 100-gram bots.	per gram	.10	—
Pentachlorophenate, briquets, bgs., works, frt. equald.	lb.	.17	.18
powd., bgs., c.l., works, frt. equald.	lb.	.16	.16¼
l.c.l., works, frt. equald.	lb.	.17	—
kgs., l.c.l., works, frt. equald.	lb.	.19	—
Perborate, NF, bbls., c.l., works	lb.	.14¾	—
l.c.l., works	lb.	.15½	—
Peroxide, dms., c.l., divd. E. of Miss.	lb.	.14	—
smaller lots	lb.	.17	—
Phosphate, dibasic, tech., anhyd., bgs., c.l., works	100 lbs.	6.00	6.25
l.c.l., works	100 lbs.	6.40	6.75
cryst., bgs., c.l., works	100 lbs.	2.55	2.70
l.c.l., works	100 lbs.	2.95	3.45
USP XII, dried, bbls., dms., works	lb.	.150	—
monobasic, anhydrous, bgs., c.l., works	100 lbs.	7.25	8.25
l.c.l., works	100 lbs.	7.65	9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.	100 lbs.	6.00	6.80
l.c.l., same basis	100 lbs.	6.50	7.00
cryst., bgs., c.l., works	100 lbs.	2.70	—
l.c.l., same basis	100 lbs.	3.10	—
kgs., c.l., works	100 lbs.	3.40	—
l.c.l., works	100 lbs.	3.80	—
Soda phosphate is bbls. 20c. higher. USP (see Sodium phosphate, dibasic)			
Prussiate, yellow, bgs.	lb.	.10¾	—
bbls.	lb.	11	
Pyrophosphate, ferric, dms., 10,000 lbs., works	lb.	.22	—
smaller lots, works	lb.	.23½	—
tetra-basic, anhydrous, bgs., c.l., works, frt. equald.	100 lbs.	5.25	—
Ricinoleate, tech., bbls.	lb.	.12	—
Sal, bgs.	100 lbs.	1.85	—
works	100 lbs.	1.10	—
bbls.	100 lbs.	1.40	—
works	100 lbs.	1.20	—
Salicylate, dms.	lb.	.52	.54
Sesquicarbonate, bgs., c.l., wks.	100 lbs.	1.50	—
Phosphate, dibasic, tech.,			

Soda sesquicarbonate, bbls., c.l., works	100 lbs.	1.70	—
l.c.l., zone 1, divd.	100 lbs.	2.70	—
2, divd.	100 lbs.	2.85	—
3, divd.	100 lbs.	3.10	—
4, divd.	100 lbs.	3.50	—
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash			
Sesquisilicate, dms., c.l., works	100 lbs.	3.05	—
l.c.l., divd.	100 lbs.	4.30	4.45
Silicate, 40° turbid, dms., c.l., works	100 lbs.	.80	—
l.c.l., works	100 lbs.	1.00	1.30
tanks, works	ton.	13.00	—
62°, turbid, dms., c.l., works,	100 lbs.	1.40	—
l.c.l., works	100 lbs.	1.65	1.80
tanks, works	ton.	25.00	—
Silicofluoride, bbls., c.l., works	lb.	.06½	.07
l.c.l., works	lb.	.07	.07½
Stannate dms., works, frt. alld. E.	lb.	.23½	.25½
Stearate, bbls., works	lb.	.19	.24
sulphate, NF, dried, powd., bbls.	lb.	.07	.07½
tech., anhyd., bgs., c.l., wks.	100 lbs.	1.70	—
l.c.l., works	100 lbs.	1.95	2.20
cryst. (see Glauber's salt).			
USP, cryst., gran., bbls.	lb.	.07	.10
Sulphide, cryst., bbls., c.l., works	100 lbs.	2.40	—
l.c.l., divd.	100 lbs.	2.90	3.15
solid, bbls., c.l., works	100 lbs.	2.15	—
l.c.l., divd.	100 lbs.	2.85	3.00
Sulphite, cryst., bgs., c.l., works	100 lbs.	2.10	—
l.c.l., works	100 lbs.	2.25	—
bbls., c.l., works	100 lbs.	2.20	—
l.c.l., works	100 lbs.	2.65	—

Soda sulphite, powd., bbls., c.l., works	100 lbs.	5.25	—
l.c.l., works	100 lbs.	5.50	6.0
Sulphocarbolate, USP IX, gran., bbls., dms.	lb.	.35	.38
powd., bbls.	lb.	.36	.38
Sulphocyanide, CP, dms.	lb.	.35	.42
Sulphohydrate, liquid, 45%, dms., c.l., works, 100% basis.	lb.	.06	—
l.c.l., works	lb.	.08	—
Sulphohydrate, liquid, 60%, tanks, 100% basis, works.	lb.	.09¾	—
flake, 70-72%, dms., c.l., works	lb.	.04½	—
l.c.l., works	lb.	.05	—
Sulphoricinoleate, bbls.	lb.	.12	—
Thiocyanate (see Soda, sulphocyanide).			
Thiosulphate (see Soda hyposulphite).			
Tungstate,[1,2] tech., kgs.	lb.	1.35	1.50
Soda-ammonia phosphate, bbls., works, frt. equald.	lb.	.22	—
Soda-cinchophen, bots., dms., works.	lb.	3.75	3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs.	lb.	.19	.25
Soda-sulphadiazin, USP, dms., works.	lb.	10.50	10.60
Soda-sulphamerazin, dms., works.	lb.	10.50	10.60
Soda-sulphapyridine, powd., bots., dms., works.	lb.	5.00	5.30
Soda-sulphathiazole, USP, dms., works.	lb.	2.80	2.90
Solvent naphtha, dms., wks., tanks, E. of Omaha, frt. alld.	gal.	.27	—
Minnequa, Colo.	gal.	.22	—

Solvent naphtha, high-flash, coal-tar, dms., works	gal.	.32	—
tanks, frt. alld. E. of Omaha to 2c. per gal.	gal.	.27	—
petroleum, tanks, refinery, Baytown, Tex.	gal.	.19	—
wire enamel, ret. dms., c.l., frt. equalized	gal.	.27	—
l.c.l., same basis	gal.	.30	—
tanks, works	gal.	.22	—
Sorbitol, com'l, dms., c.l., works.	lb.	.20½	—
l.c.l., works	lb.	.20¾	—
Soybean meal,[7] 41%, bulk, c.l., Decatur	ton.	85.00	—
Protein, alpha, bgs., 40,000 lbs., works	lb.	.20	—
20,000 lbs., works	lb.	.20¼	—
smaller lots, works	lb.	.20½	.24
Sparteine sulphate, bots., cns.	oz.	2.95	3.25
Spearmint leaves, bls.	lb.	.46	.49
Spikenard root, bls.	lb.	.50	.55
Spruce extract, liq., reg., bbls., c.l., works	lb.	.03½	—
tanks, works	lb.	.01½	—
pwd., super, bgs., c.l., wks.	lb.	.04½	—
Squaw vine, bls.	lb.	.53	.55
Squill, red, fortified, powd., bbls., bxs.	lb.	1.60	—
White, bls.	lb.	.10	.12
powd., bbls., bxs.	lb.	.16	.20
St. Ignatius beans, bgs.	lb.	No stocks	
St. John's bread, edible, bls.	lb.	.10¾	.11½
Starch, corn, pearl, bgs., c.l. works	100 lbs.	6.271	—
l.c.l.	100 lbs.	6.371	—
Chicago, c.l.	100 lbs.	5.87	—
powd., bgs., c.l.	100 lbs.	6.421	—
l.c.l.	100 lbs.	6.521	—
Chicago, c.l.	100 lbs.	6.02	—



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Starch, potato, bgs., c.l.. lb .14 - .14¼
l.c.l. ..... lb. .14½- .17
flour, bgs., c.l. ..... lb. No stocks
Sweetpotato, bgs. ..... lb. No stocks
Wheat, thick boil, bgs. ..... lb. .06 - —
Starch, iodide, bots. ..... lb. 1.87 - —
Staves acre seed, bgs. ..... lb. .69 - .71
Stearin, oleo (see Oleostearin).
Stillingia root, bls. ..... lb. .50 - .52
Stoneroot, bls. ..... lb. .07½- .08
Storax, cs. ..... lb. 1.10 - 1.15
Stramonium leaves, bgs. ..... lb. .16 - .17
Seed, bgs. ..... lb. .20 - .21
Strontium bromide, cns., dms. lb. .52 - .55
Carbonate, 90%, bbls. ..... lb. .14 - .16
98%, bbls. ..... lb. .23 - .25
Chloride, tech., bbls. ..... lb. .22 - .24
mesh 90%, bbls., works..ton. 58.00 - —
Chromate, bbls., kgs., Phila. lb. .35 - .37
Iodide, bots. ..... lb. 3.06 - 3.15
jars, 25 lbs. ..... lb. 3.00 - —
Lactate, dms. ..... lb. 1.30 - 1.35
Nitrate, bbls., c.l., works.... lb. .07¾- —
l.c.l., works ..... lb. .08¼- .08¾
Oxalate, bbls., works ..... lb. .38 - .40
Salicylate, NF, dms. ..... lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton. 58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works. lb. 2.50 - 2.56
Strophanthin, bots. ..... oz. 30.00 -50.00
Strophanthus seed, Kombe, bgs. lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots. ..... lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works. lb. 9.00 - 9.10
Sulphaguanidin, dms., works..lb. 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, works..lb. 5.00 - 5.30
Sulphathiazole, USP, powd., dms., works..lb. 2.50 - 2.80
Sulphonethylmethane, kgs. ..... lb. 6.75 - 6.85
Sulphonmethane, kgs. ..... lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton. 16.00 - —
vessels, Gulf ports, contract..long ton. 17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works..... 100 lbs. 2.00 - 2.10
precipitated, USP, bbls., kgs., lb. .13 - .34
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works..... 100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works.... 100 lbs. 2.80 - —
l.c.l., works..... 100 lbs. 2.95 - 3.10
light, bgs., c.l., works.. 100 lbs. 2.70 - —
l.c.l., works..... 100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works. 100 lbs. 3.05 - —
l.c.l., works..... 100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works. 100 lbs. 2.20 - —
l.c.l., works..... 100 lbs. 2.55 - 2.70
roll, bbls., c.l., works. 100 lbs. 2.40 - —
l.c.l., works..... 100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.85 -
Sulphur chloride, 35-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works..... lb. .04 - .04½
10-gal. dms., c.l., works... lb. .07 - .07½
l.c.l. ..... lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. ..... lb. .08 - —
multi-unit cars, works..lb. .06 - —
tanks, works..... lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .13 - .16
Iodide, bots., jars..... lb. 3.90 - 4.11
Sumac extract, No. 1, bbls.... lb. .10½- —
No. 2, bbls. ..... lb. .09 - —
crystals, bbls. ..... lb. .40 - —
stainless, bbls. ..... lb. .11 - .13½
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a. bulk, production points, Balto..unit-ton. .70 - —
Florida ..... unit-ton. .56 - .59
others ..... unit-ton. .57 - .59
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c.. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.63 per ton; guaranteed 18, 19 or 20% a.p.a., ¼c. per unit-ton higher.
triple, 45% or more a.p.a., bulk, producing points, Florida, unit-ton. .68 - —
South Carolina..unit-ton. .75 - —
Tennessee ..... unit-ton. .80 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 45% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls. ..... lb. .90 - 1.00

T

Talc,[1] dom., ordinary, grd., bgs., c.l., works..ton. 14.50 -24.50
l.c.l., works..... ton. 16.50 -26.00
Calif., bgs., c.l., wks. ton. 17.50 -18.00
Pennsylvania, bgs., c.l., works..ton. 11.00 -12.50
l.c.l., works..... ton. 12.00 -14.50
Vermont, bgs., c.l., works, ton. 14.00 - —
l.c.l., works..... ton. 15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton. 13.00 - —
grd., fine, New York, 325 mesh, 92-94%, bgs., c.l., works..ton. 13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton. 15.35 -19.25
99.55 - 99.95%, bgs., c.l., works..ton. 17.00 -21.00
imp. Canada, bgs., c.l..... ton. 24.00 -30.00
Tallow,[1,7] edible, tanks..... lb. .09¾- —
inedible, extra, loose..... lb. .08½- —
special, loose ..... lb. .08½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l..... lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls. ..... lb. .12¾- .12¾
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 10.00 - —
Chicago ..... unit-ton. 10.00 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 5.00 & 10.00
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 5.00 & 10.00
Tapioca flour,[1,3] bgs. ..... lb. .07 - .07½
Java, bgs. ..... lb. No stocks
Tar acid oil, 15-19%, dms., c.l., works..gal. .26½- .26½
l.c.l., works..... gal. .25½- .25½
20%, dms., c.l., works...gal. .30 - .35½
l.c.l., works..... gal. .32 - .37½
Tar, pine (see Pinetar).
Tara[1] pods, c.l., ex dock U. S. ports..long ton. 97.25 - —
powd., c.l., same basis.... long ton. 125.00 - —
Tarragon herb, bgs. ..... lb. .60 - .65
Leaves, bgs. ..... lb. 1.20 - 1.25
Tartar emetic, tech., grnn. or powd., bbls., kgs..lb. .47½- .49
dms. ..... lb. .46½- .51
USP, powd., bbls., dms., kgs. lb. .53¾- .59
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l ..... lb. .25 - .25¼
USP, cryst., bbls., dms.... lb. .70 - .75
powd., bbls., dms..... lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South..... lb. .13½- —
l.c.l., South..... lb. .14 - —
tanks, South..... lb. .13 - —
pure, dms..... lb. .34 - .50
Terpinglycol ether, dms. (extra), c.l., works..lb. .13½- —
l.c.l., works..... lb. .20 - —
tanks, works..... lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .90 - .97
prime, cns., dms..... lb. .68 - .70
Terra alba (see Gypsum).
Tetrachlorethane, dms., works, lb. .08 - .08½
Tetrachlorethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works..... lb. .23½- .25½
tech. (see Perchlorethylene).
Tetraethyl orthosilicate, dms., works..lb. .65 - —
Tetralin, dms. ..... lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb. 12.50 Nom.
Theobromine, dms., 25-lb. lots.. lb. 3.75 - —
smaller lots..... lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo. 160.00 - —
Thiocarbanilide, cns. ..... lb. .24 - —
Thiouracil, dms., works..... lb. 5.50 - 5.60
Thioures, CP, dms. ..... lb. .55 - .60
Thorium nitrate, cs., works... lb. 2.00 - —
Thyme, French, bgs. ..... lb. .18 - .18½
futures, bgs. ..... lb. .16 - .16½
Spanish, bls. ..... lb. .13 - .13½
Thymol, cns. ..... lb. 2.40 - 2.75
Iodide, dms. ..... lb. 3.40 - 3.60
Timbo root (see Cube root).
Tin chloride,[6] anhydrous..... lb. No stocks
crystals,[6] bgs., bbls..... lb. No stocks
Metal,[10] ..... lb. .52 - —
Bolivian ..... lb. .63½- —
Straits ..... lb. No stocks
Tin oxide,[1,6] bbls. ..... lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .91 - .93
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., divd..lb. .15 - —
l.c.l., divd..... lb. .15¼- .15¾
nonchalking,[1,4] bgs., c.l., divd. R..lb. .16½- —
l.c.l., divd..... lb. .16¾- .17¼
plain, bgs., c.l., divd..... lb. .14½- —
l.c.l., divd..... lb. .14¾- .15¼
Hydride, cns., works..... lb. 7.00 - 8.00
Pigment, barium base,[1,4] bgs., c.l., divd..lb. .06¾- —
l.c.l., divd..... lb. .06 - —
Calcium base,[1,4] bgs., c.l., divd..lb. .05½- —
l.c.l., divd..... lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., divd..lb. .06½- —
l.c.l., divd..... lb. .05¾- —
Magnesium base,[1,4] divd... lb. .05¾- —
l.c.l., divd..... lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., divd., l.c.l., ex whse., ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works..... lb. .65 - 1.20
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works..... lb. .40 - 1.00
Tolu balsam, cns. ..... lb. 2.50 - 2.60
Toluene (see Toluol).
Toluidin base, distilled, bgs... lb. .96 - —
Toluol (toluene), coaltar, 2°, indust., dms., returns, whs. gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .27 - —
1°, nitration, ret. dms., works. gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. — - —
Petroleum, tanks, f.o.b. refinery, Baytown, Tex..gal. .19 - —
Bayonne, N. J..... gal. .20 - —
Buffalo, N. Y. and Detroit, Mich..gal. .22 - —
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.60 - 1.70
Brazilian, Surinam, cs.... lb. .90 - .95
Totaquine,[4,6] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works..... lb. .26 - —
Triamylamine, dms., c.l., works. lb. .96 - —
l.c.l. ..... lb. 1.01 - —

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SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL COMPANY
SKELLY BLDG., KANSAS CITY, MISSOURI

Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., divd..lb. .53 - .55
dms., l.c.l., divd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .06 - —
Zone 2, frt. alld.....lb. .06½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l., prices, ½c. higher Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo. N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns., works..lb. .29 - .29½
dms., c.l., divd.....lb. .33 - —
l.c.l., divd.....lb. .35½- —
tanks, divd.....lb. .34 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%....lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .13½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., divd. lb. .35 - —
l.c.l., divd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .33 - —
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works... ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 98-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls...lb. .19½- .20
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15¼- .16
Madras, bgs.....lb. .16¼- .16¾
Turpentine, gum, ret. dms., c.l. gal. 1.06½- 1.10
l.c.l.....gal. 1.07½- 1.12
tanks, Savannah.....gal. .96½- —
Wood, d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
Turpentine, wood, steam-dist., ret. dms., East..gal. .90 - 1.03
tanks, East.....gal. .89 - .90
Sulphate, ret. dms.....gal. .80 - .86

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[3] oxide, black, bgs...lb. 7.55 —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -80.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3, ton.112.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Urunday, extract, 63% tannin, ex dock, U.S. ports..lb. .05625- .05875
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .56 - .59
Indian, bls.....lb. .45 - .47
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium[1] pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins.....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs. or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .25
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works. lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ref. dms., works.lb 1.50 - —
Vitamin A (see Oils, codliver, halibut-liver)
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Viosterol (irradiated ergosterol), [4]ots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol, D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide.
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha v.m.p.).

W

Wahoo root bark, bls.....lb. 1.25 Nom.
Wattle bark,[1,5] merchantable, bgs., f.a.s..ton.57.00 - —
fair average, bgs., f.a.s.. ton.59.50 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¾- .06¼
tanks, works.....lb. .05¼- .05¾
solid, E. Afr., 61% tannin, ex dock..lb. .06095- .06345
S. Afr., 62% tannin, ex dock, lb. .0622- .0647
Wattle extract prices based on $12 freight and $1.00 insurance per long ton.
Wax, amorphous (see Wax, microcrystalline).
Wax, bayberry, bgs.....lb. No stocks
Wax, beeswax, bleached, USP, white, bricks, cakes, cs..lb. .68 - .70
slabs, bgs.....lb. .65 - .68
crude, African, bgs.....lb. .55 - .57
Western hemisphere, bgs.lb. .60 - .62
refined, yellow, bricks., bgs., lb. .60 - .62
slabs, cs.....lb. .59 - .61
Candelilla, crude, bgs.....lb. .78 - .80
refined, bgs.....lb. .80 - .82
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.72 - 1.74
North Country, No. 2, bgs., ton lots..lb. 1.80 - 1.82
No. 3, bgs., ton lots.....lb. 1.75 - 1.78
refined, bgs., ton lots....lb. 1.88 - 1.90
yellow, No. 1, bgs., ton lots. lb. 1.98 - 2.00
No. 2, bgs., ton lots.....lb. 1.96 - 1.98
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13½
138°-140° m.p., bgs.....lb. .15 - —
158°-162° m.p., bgs.....lb. .19 - .20
Japan, bgs.....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons, yearly contract, group 3, works. lb. .14¼- —
smaller lots, same basis.. lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
170°-175°, black, smaller lots, same basis..lb. .13 - .14
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis.. lb. .25 - .26
Wax, microcrystalline, 190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis. lb. .16½- .17½
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller ctns., same basis. lb. .15 - .16
white, ctns., 30 tons, same basis..lb. .28¾- —
smaller lots, same basis. lb. .29 - .30
Montan, bgs.....lb. .53 - .56
Ouricury, crude, bgs., ton lots, lb. .99 - 1.02
refined, bgs., ton lots.....lb. 1.16 - 1.18
Powdered ouricury prices same as powdered candelilla.
Ozokerite, dom., 160-180 F., l.c.l.....lb. .33 - —
162-168 F., bgs., c.l.....lb. .31 - —
171-172 F., bgs., c.l.....lb. .27 - —
Spermaceti, blocks, cs.....lb. .30 - .33
cakes, cs.....lb. .31 - .34
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .17 - .19
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, N.E., works..ton. 6.00 - —
smaller lots, N.E., works. ton. 7.00 - 9.00
wet-grd., air-coated, 300 mesh, 99½%, bgs., c.l..ton. 9.35 -10.10
200 mesh, 99¼%, bgs., c.l. ton. 8.00 - 9.50
90%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l.....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l.....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .18 - .20
rossed, green, bls.....lb. .24 - .26
Wild indigo root, bls.....lb. .22 - .25
Witch-hazel leaves, bls.....lb. .21 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .27
Levant, bgs.....lb. 4.25 - 4.30
Wormwood, bls.....lb. .50 - .60

X

Xanthorrhiza, bls.....lb. .28 - .30
Xylidin, mixed, dms.....lb. .35 - .36
Xylene (see Xylol).

CCI

TEXINE Acid Inhibitor

A stable synthetic organic liquid readily miscible in mineral acids. Does not appreciably retard the reaction of acid on metallic compounds, but retards normal action of acid on metals. Texine inhibited acid is a highly efficient tool for removal of scale from industrial equipment. Texine Acid Inhibitor is available for prompt shipment in 50-pound cans or 400-pound drums.

CONSOLIDATED CHEMICAL INDUSTRIES INC.

SALES OFFICES: SAN FRANCISCO, HOUSTON, NEW YORK
PLANT LOCATIONS: SAN FRANCISCO, CALIF.; WOBURN, MASS.; BASTROP, LA.; BATON ROUGE, LA.; FORT WORTH, TEXAS; HOUSTON, TEXAS; LITTLE ROCK, ARK.; BUENOS AIRES, ARGENTINA

GOVERNMENT-OWNED SURPLUS

METHYL BROMIDE

APPROXIMATELY 9,630,000 20cc AMPOULES and 518,000 ONE-POUND CANS

This material is recommended as a fumigant and insecticide for storage and shipment of grain, vegetables, fruits and plants. It is also used as a refrigerant, low boiling solvent, etc. The 20cc ampoules were used by the Army in especially designed rubberized bags for delousing soldiers' bedding rolls and clothing. For this same purpose, some 250,000 of these bags are available in surplus and their purchase can be arranged.

Packaging. The ampoules are packed 90 to 180 to a wire-bound wood box. The one-pound cans are packed 24 or 48 to a wooden keg or box. This material is in the original packaging.

Minimum quantities. 1,000 one-pound cans; one car load (approximately 90,000) ampoules; or the total inventory at any location.

This material is available for sale at the following locations and in these approximate quantities:

WAA Regional Office	Ampoules (no.)	Lb. Cans (no.)	Storage Location
Atlanta, Ga.	184,824	18,432	Savannah, Ga.
Boston, Mass.	190,364	...	S. Boston, Mass.
Chicago, Ill.	50,162	...	.....
Dallas, Texas	182,670	...	Ft. Worth, Texas
Jacksonville, Fla.	...	721	Camp Blanding, Fla.
Los Angeles, Cal.	838,487	...	Mira Loma, Cal.
Nashville, Tenn.	21,569	...	Memphis, Tenn.
New York, N. Y.	9,780	364,337	Somerville, N. J.
New York, N. Y.	118,000	9,512	Bayonne, N. J.
Philadelphia, Pa.	1,495,010	109,475	New Cumberland, Pa.
Richmond, Va.	981,704	...	Richmond, Va.
Richmond, Va.	2,810,419	...	Cameron, Va.
Richmond, Va.	1,219,406	15,493	Norfolk, Va.
Salt Lake City, Utah	122,748	...	Ogden, Utah
Salt Lake City, Utah	299,880	...	Clearfield, Utah
San Francisco, Cal.	450,719	...	Tracy, Cal.
San Francisco, Cal.	4,000	...	Oakland, Cal.
Seattle, Wash.	651,420	...	Seattle, Wash.

Material is offered subject to the right of inspection by the prospective purchaser at its locations. No warranty is made either expressed or implied except as to title and description.

Offers to purchase all or any part of the above material f.o.b. location will be accepted until noon August 26, 1946 *by the Regional Offices having the inventories.* WAA reserves the right to reject any or all offers; to make awards in whole or in part, or to extend the period of the sale. Material is subject to withdrawal prior to shipment.

RESERVE FOR PRIORITY CLAIMANTS

Twenty-five percent of the material offered is reserved for sale to Federal Agencies for their own use. The balance and any unsold portion of this reserve is offered for sale in the following sequence as provided by law:—(1) Certified Veterans of World War II; (2) Subsequent priority claimants; (3) Non-priority purchasers. VETERANS OF WORLD WAR II should apply to their nearest War Assets Administration Regional Office for certification; the case number assigned and the location of the certifying office must be stated in a Veteran's offer to purchase.

Mark your envelope "Offer to Purchase Methyl Bromide". Address it to the regional office nearest you having the inventory.

WAR ASSETS ADMINISTRATION

678

Xylol (xylene), coaltar, indus., rct. dms., works	gal.	.27	- —
tanks, E. of Omaha, frt. alld.	gal.	.23	- —
West Minnequa, Colo.	gal.	.25	- —
10°, rct. dms., works	gal.	.34	- —
tanks, E. of Omaha, frt. allc.	gal.	.29	- —
5°, rct. dms., works	gal.	.41	- —
tanks, E. of Omaha, frt. allc.	gal.	.36	- —
3°, rct. dms., works	gal.	.47	- —
tanks, E. of Omaha, frt. allc.	gal.	.41	- —
Petroleum, 10°, tanks, f.o.b. refinery, Baytown, Tex.	gal.	.19	- —
Bayonne, N. J.	gal.	.20	- —
Buffalo, N. Y. and Detroit, Mich.	gal.	.22	- —

Y

Yara yara, cryst., bots., cns.	lb.	1.75	- 1.80
Yeast, brewer's dry, 50 B units, dms.	lb.	.35	- —
90 B units, dms.	lb.	.45	- —
200 B units, dms.	lb.	.50	- —
300 B units, dms.	lb.	.60	- —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, Ft. Paul	lb.	.32	- —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.			
Benzidin, bbls., dlvd.	lb.	1.35	- 2.25
Cadmium, CP, bgs.	lb.	1.35	- 1.40
Lithopone, bbls., ton lots, E. of Rockies	lb.	.55	- —
smaller lots, same basis,	lb.	.65	- —
Sulphide, orange, cs., kgs., works	lb.	1.10	Nom.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.17½	- —
Chrome, CP, bbls., dlvd. N. Ala., Fla., Ga., La. (Shreveport), 1½c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1¾c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dutch, pink, bbls.	lb.	.09	- .11
Hansa, bbls., same basis as chrome	lb.	1.37	- —
primrose, bbls., same basis	lb.	1.75	- —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.	lb.	.04½	- —
l.c.l., same basis	lb.	.06	- -
synthetic, bbls., c.s., works	lb.	.0665	- —
l.c.l., works	lb.	.0710	- —
Mercury oxide, bbls., 1,000 lbs.	lb.	2.42	- —
smaller lots	lb.	2.45	- —
Ocher, American, golden, bbls., works	lb.	.04½	- .06¼
yellow, bbls., works	lb.	.02	- .03½
French type, bbls., c.l.	lb.	.0645	- —
l.c.l.	lb.	.0665	- —
Persian orange (see O).			
Zinc, bbls., same basis as chrome	lb.	.16	- —
Navy spec. type, bbls., contract	lb.	.16	- —
Yellow dock root, bls.	lb.	.38	- .40
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.30	- .33
Yohimbine hydrochloride, vls.	oz.	3.25	- 4.00

Z

Zein, bgs., 1,000 lbs., works	lb.	.25	- —
smaller lots, bgs.	lb.	.30	- —
Zinc acetate, tech., bbls., dlvd.	lb.	.16	- .17
USP, bbls.	lb.	.26	- .31
kgs.	lb.	.29	- —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾	- .13¼
l.c.l., same basis	lb.	.12¼	- .13¼
Borate, bgs., c.l.	lb.	.12	- —
Carbonate, tech., rubber-makers' grade, bbls., works	lb.	.09½	- .10¾
USP, precip., powd., bbls.	lb.	.35	- —
dms.	lb.	.40	- —
kgs.	lb.	.37	- —
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00	- —
l.c.l., works	100 lbs.	5.35	- —
gran., dms., c.l., works	100 lbs.	5.75	- —
l.c.l., works	100 lbs.	6.50	- —
solution, 50%, dms., c.l., works	lb.	.0615	- —
l.c.l., works	lb.	.04¼	- .04½
tanks, works	lb.	.0250	- —
USP, dms.	lb.	.30	- .31
jars	lb.	.35	- .36
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.33	- .37
Dust,[6] bbls., c.l., dlvd.	lb.	.1035	- —
l.c.l., works	lb.	.1125	- —
Fluoride, bbls.	lb.	.25	- .30
Hydrosulphite, dms., works	lb.	.16	- —
Iodide, NF, bots.	lb.	4.05	- 4.75
jars	lb.	4.40	- —
Laurate, bbls.	lb.	.32	- .38
Metal,[1] (quotations in Protective Coatings market).			
Naphthenate, 8%-10% Zn, dms.	lb.	.16	- .19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.08½	- —
l.c.l., dlvd.	lb.	.08¾	- —
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.08½	- —
l.c.l., dlvd.	lb.	.08¾	- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.08¾	- —
l.c.l., dlvd.	lb.	.09	- —
leaded, 35% or more, bgs., c.l., dlvd.	lb.	.09¼	- —
l.c.l., dlvd.	lb.	.09¾	- —
leaded, 50%, bgs., c.l., dlvd.	lb.	.09¾	- —
l.c.l.	lb.	.09¾	- —
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.08½	- —
l.c.l., dlvd.	lb.	.08¾	- —
green seal, bgs., c.l., dlvd.	lb	.10¼	- —
l.c.l., dlvd.	lb.	.10½	- —
white seal, bgs., c.l., dlvd.	lb	.10¾	- —
l.c.l., dlvd.	lb.	.11	- —
red seal, bgs., c.l., dlvd.	lb.	.10¾	- —
l.c.l.	lb.	.11	- —
USP, ctns., c.l.	lb.	.11¾	- —
l.c.l.	lb.	.12	- —

Zinc oxide Pac. Coast prices ½c. higher bbl. prices ½c. higher than bgs.

Zinc resinate, fused, 1% Zn, lump, precipitated, 5.40% to 8% Zn, powd., dms.	lb.	.18	- —
Silicofluoride, bbls.	lb.	.10	- .12
Stearate, tech., ctns., 2,000	lb.	.34½	- —
smaller lots, same basis	lb.		
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.60	- —
l.c.l., same basis	100 lbs.	4.15	- —
flake, bgs., c.l., same basis,	100 lbs.	3.80	- —
l.c.l., same basis	100 lbs.	4.55	- —
powd., bgs., c.l., same basis,	100 lbs.	3.85	- —
l.c.l., same basis	100 lbs.	6.10	- —
Zinc sulphate, in bbls., 25c. higher.			
Sulphide,[1] pure, bgs., c.l., dlvd.	lb.	.0840	- —
l.c.l., dlvd.	lb.	.0865	- —
Barium pigment,[1] bgs., c.l., dlvd.	lb.	.0575	- —
l.c.l., dlvd.	lb.	.06	- —
Calcium pigment,[1] bgs., c.l., dlvd.	lb.	.0575	- —
l.c.l., dlvd.	lb.	.0600	- —
Fluorescent pigment,[1] works, frt. alld.	lb.	.0915	- —
Magnesium pigment,[1] bgs., c.l., dlvd.	lb.	.0590	- —
l.c.l., dlvd.	lb.	.0615	- —
Zinc sulphide and pigments, prices ¼c. higher; bbl. prices ¼c. higher than bgs.		Pac. coast	
Sulphocarbolate, NF, bbls., dms.	lb.	.28	- .30
Tallate, 5% Zn, dms.	lb.	.09¾	- —
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65	- —
l.c.l., works	100 lbs.	6.70	- —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00	- 2.50
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06	- —
l.c.l., dlvd. E. of Rockies,	lb.	.06¼	- —
Pac. cst.	lb.	.06½	- —
ex whse., Pac. cst.	lb.	.07	- —
Zirconium acetate, solut., bbls., works	lb.	.25½	- —
Hydride, cns., works	lb.	7.00	- 8.00
Nitrate, bgs., works	lb.	3.00	- 4.00
Oxide, 88%, grd., bbls., c.l., works	lb.	.22½	- —
l.c.l.	lb.	.23¾	- —
white, 99¼-99%, grd., kgs., works	lb.	.50	- —
milled, electric, fused, 2,000-9,999 lbs., works	lb.	.40	- —
500 lbs. and less, same basis	lb.	.49	- —
Oxychloride, crust., bbls., 5 tons, works	lb.	.29½	- —
Sulphate, basic, cake, bbls., c.l., works	lb.	.18	- —
l.c.l., works	lb.	.18½	- .20
smaller lots, works	lb.	.20	- .21½

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials which were branded paint materials was printed in OPD for Aug. 5.

G.E. Silicone Oil For Planes Tested

The chemical department of the General Electric Company has received orders to furnish a large aircraft company with samples of silicone oil for testing purposes, following proposals made by the safety bureau of the Civil Aeronautics Board. Orders for the silicone lubricating product, considered to be much less inflammable than the petroleum oil now used, followed the projections of new regulations made by CAB after long investigation and study of air line fires. According to the company, the Naval Research Laboratory has also put its stamp of approval on the fluid after exhaustive tests.

G. E. is in the process of constructing a new factory for the manufacture of silicone products at Waterford, N. Y., which is expected will be ready for operation near the end of the present year.

Mexican Oil Exploration Open to Foreign Firms

Private oil exploration and exploitation in Mexican fields has been made available to foreign bidding for the first time since governmental expropriation of most foreign oil properties in 1938. A call for bids on 75,000 acres near San Ignacio in Sinaloa was published in the Official Gazette recently.

No restrictions prohibiting foreigners from bidding were announced by the Mexican government, but law provides that foreigners must consider themselves Mexicans in any case before a Mexican court. By interpretation of constitutional law, the government has prior interest in subsoil deposits.

Oil Pipeline Rights Granted by Transjordan

The Trans-Arabian Pipe Line Company has been granted permission to construct and maintain an oil pipeline across Transjordan territory from Audis Arabia towards the Mediterranean Sea. Under the agreement, Transjordan will receive $240,000 annually for the concession.

see how you can use

Monsanto Aroclors

... profitably

Monsanto Aroclors comprise a series so versatile in their application that they serve scores of industries in hundreds of profitable ways . . . See how they can benefit you—send for a copy of Bulletin No. P-115, containing chemical and physical characteristics and application data on the Aroclors. Also—

Ask particularly about 4 new Aroclors, recently added to the series: Nos. 1221 and 1232, characterized by their unusually low viscosity—Nos. 5465 and 5468, high melting point resins. Full information is available to help you determine suitable applications.

Contact the nearest Monsanto Office, or write: MONSANTO CHEMICAL COMPANY, Phosphates Division, 1700 South Second Street, St. Louis 4, Missouri. District Offices: New York, Chicago, Boston, Detroit, Cincinnati, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

As a series, the Aroclors range in form and appearance from mobile oily liquids to fine white crystals and hard transparent resins. They are heavier than water—possess great adhesiveness, especially on smooth surfaces —have remarkable penetrating power— are water repellent and flame resistant. Their ability to withstand extreme pressure is unusual—some have exceptional lubricity.

TWO OF MANY USES OF THE AROCLORS

Chlorinated Rubber Finishes . . . Used as plasticizers for chlorinated rubber, Aroclors add both toughness and flexibility; resist acid.

Paints . . . Varnishes . . . Aroclors contribute excellent durability and varying degrees of flexibility or hardness in quick-drying paints.

MONSANTO CHEMICALS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

OPD—8-19-1946 36

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed, 1900-1942, by Harry J. Schnell

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They Are Human Relations

An able, earnest movement is being got under way to approach unsatisfactory conditions in employment for exactly what they are—problems in human relations. Recognition of the fact that the human element is basic and all-controlling in what are popularly miscalled "labor troubles" has been slow in coming. Even now it can be said barely to have arrived; it is not yet established. It must be much further developed before it can be expected to serve where and as its illumination is sorely needed.

One of the reasons for the persistence and expansion of unsatisfactoriness in employment has been the reluctance and aversion to recognize the human element, frequently emphasized as the personal equation, that has been so largely at fault. Everything possible has been done to find an escape from the truth. Even the term, "human relations," has apparently been taboo, replaced by such euphemisms as "employment relations," employer-employee relations," "labor relations," "industrial relations". All these terms have some relevancy and some measure of appropriateness; but none of them denotes the exact relationship.

Recognition of unsatisfactory conditions in employment as problems of human relations is not going to correct them. The solution of these problems demands honest understanding, impartial analysis, and ethical consideration. Nothing less will suffice. Nothing less should be permitted to shape the course or the process of its handling.

The solution of the problems of human relations which so adversely affect business lies primarily with management. Because it is the liaison between employee and employer, between capital and labor, this responsibility of management resolves into a duty. And it is a duty which cannot with impunity longer be neglected. Governmental muddling has done far too much damage already. And governmental experimentation will always rush in where the experience of private enterprise is reluctant to function.

Not alone upon management nor upon labor, important as is its part, or all the elements of the business body does the duty of solving the business problems of human relations lie. All groups of human activity have a share; for education has failed to do its part, and so has religion—and everybody knows that government has not contributed constructively in its attempts to deal with these problems. But, business management is in position to make the contributions of all other groups practicable. So, it must lead—and in the movement now getting under way it is going to lead.

—O-P-D—

PDB Dilemma

Whatever the Price Decontrol Board rules in the matter of exemptions which expire this week or those which will continue if not revoked will be wrong from the point of view of the majority who express themselves on the matter. The hearings conducted by the board have indicated clearly that not very many of those who comment on price-control are going to be satisfied with anything. Those who are opposed to controls will not get enough exemptions. Those who favor controls will find too many things left out.

Never in history has any individual or group been faced with a more difficult, more thankless task than that which Congress "wished on" the Price Decontrol Board when the lawmaking representatives of the people passed the buck to a handful of conferees and they in turn dumped the "hot potato" in the lap of the board. Hercules, by comparison, had a "cinch."

Even a cursory examination of the testimony or pleading presented at the PDB hearings discovers the variety and peculiarity of opinions and ideas with which the concept of price-control is hung. And over all hangs that unintelligible declaration that money paid to producers as subsidies on agricultural products was a dole to consumers, although the consumer, as a taxpayer, was putting up the money. Doling to oneself sounds like some new kind of game of solitaire. And still more obfuscated is the solemn pronouncement of otherwise largely rational economic commentators that the cost of living has not been raised by the elevating of the prices of necessities from which subsidies have been removed. Certainly these learned men must know that the termination of subsidies was not accompanied by any reduction whatsoever in Federal taxes, to say nothing of a commensurate reduction. And the taxpaying consumer is still paying as much in taxes as he paid when the subsidies were on and also paying the amount of the subsidy as a part of the price of what he must buy. Perhaps that paying doubly does not add to the cost of living, but it certainly does subtract from the wherewithal of living. The net result is the same minus quantity; but, then, the semantics of economists is something that nobody can pin down.

Whatever the Price Decontrol Board does with respect to exemptions decreed by Congress, everybody is going to find that the reaching capacity of his money has shrunk. And everybody will be told that higher costs of living are not inflation and that it is a miscarriage of something for a Price Decontrol Board to set up price-control—which is why the A in OPA is now generally interpreted as ascension or advancing or ampliation.

—O-P-D—

Higher Pharmacal Learning

The tremendous strides that are being made in chemotherapy, the complexities of developments in antibiotics as remedial agents in human ailments, and the part that nutrition is coming to play in the maintenance of health—all add heavy emphasis to the admitted need for higher pharmacal learning. The job of keeping pace with the potentialities of scientific contributions to therapeutics has become too big for training in industry, which has long been called upon to supplement in necessary, practical ways the technologic knowledge obtainable in schools of pharmacy.

The providing of some means of acquiring higher pharmacal learning is most desirable. Whether this should be done by way of an institution devoted particularly to that task is a broad question. Experience in other fields of education makes the idea quite attractive. But, its practicability cannot be taken for granted.

There is reason to believe that the drug industry would adequately support an institution of higher pharmacal learning. There has been some disappointment for years among those who believe that the drug business should more extensively go in for endowment of scholarships and fellowships in the existing schools of pharmacy. The discoverable reasons for this suspected laggardness have been various. That it does not indicate a lack of appreciation of the value of such programs is apparent in the success of the efforts of the American Foundation for Pharmaceutical Education. There are indications that, were the foundation to undertake the establishment of an institution wherein the scientific and technical—and commercial—problems of the drug manufacturer would get full attention, the project would be amply supported by contributions from the industry.

The staffing of such an institution presents some new problems in pharmacal education. The needs of the industry run through the problems of discovery, production, packaging and labeling—a most important phase—and distributing. They are not elemental in any of these areas, but lie in the upper strata of ability. For this reason, the teaching would have to be staffed largely with men trained in the industry. Good men of that type are available in retirement from active duty. No doubt, the industry could be drawn upon for part-time specialists. The big problem, of course, is that of organization. The field is not barren in that respect. The matter really should be actively taken up and promoted. Its purpose is one of constantly increasing importance and necessity.

Washington Talks It Over

—Continued from page 5

tribution by the Manhattan Project. This has given the researchers for the Association of American Railroads and the American Trucking Association their biggest scientific headache in years.

During the war, carriers received orders for many a mysterious shipment under the cloak of war secrecy. In such cases, the reasons for vagueness or misdescription were fairly obvious. But the problem now is how to describe products concerning the characteristics of which even the scientists are in doubt. In addition, there are the companion problems of values, weights and even whether common carriers should accept such shipments.

A possibility exists that isotopes may be covered by the transportation of explosives regulations of ICC but it is understood that inquiries of the commission have elicited no worthwhile information.

Basing-Point Price Battle

The basing-point system of pricing is under fire in Washington again and a lot more may be expected to be heard on this subject when the small business committee of the house begins its hearings on monopolies.

In a recent issue of the Department of Commerce's publication, Domestic Commerce, Edwin L. Davis, of the Federal Trade Commission, wrote a long article emphasizing the bad features of the single and multiple basing-point plans used by industry throughout the country. The general feeling is that this is the opening gun for the coming hearings in which both FTC and the Department of Justice will take a prominent part.

So far FTC has been very successful in breaking up basing-point pricing systems in the few court tests it has had. But it does not consider the job complete and is continuing to go after them.

Navy Trains Scientists

The Navy Department is working up plans for a big expansion of its science training program for 1946-47 to provide its 4,000 scientists and technicians with maximum opportunities to study for advanced academic degrees while continuing their governmental work. The program is part of the department's general plans for expanding its research and development work.

One of the reasons for the training program is the fact that the rapid demobilization of scientists, who have been leaving governmental work for industrial and educational pursuits, has threatened to cripple the department's scientific research program. Many of those who have left have told the department that they would still be on its payrolls if they had been afforded some opportunity for graduate work.

The training program was inaugurated late in 1944 at the Naval Ordnance Laboratory and responded to enthusiastically. Last year the training program included about twenty graduate study courses. Now it is planned to increase these courses to thirty or forty, to cover the whole field of chemistry, engineering, physics, and mathematics.

WAA Probes Self

One of the hardest working sections of the War Assets Administration turns out to be its own Compliance and Enforcement Division. More than 1,200 investigations of alleged irregularities, favoritism or criminal misconduct in connection with the disposal of government surplus war property were initiated during the short space of three months from April through June by this division.

Of course, in the majority of the cases the complaints are unfounded. And the reason for this great number of investigations is the fact that the division makes it a practice to look into every rumor, accusation or report that comes to its attention. But where there is so much smoke there must be fire, and the division admits that it has found "in too many instances" administrative or criminal irregularities.

To date there have been 30 arrests, of which eight were government employees, and 26 indictments predicated upon violation of federal criminal statutes involving bribery, fraud against the government or theft of government property. A lot of the trouble has resulted from the widespread use of veterans as "fronts" by business concerns and these are being turned over to the Justice Department.

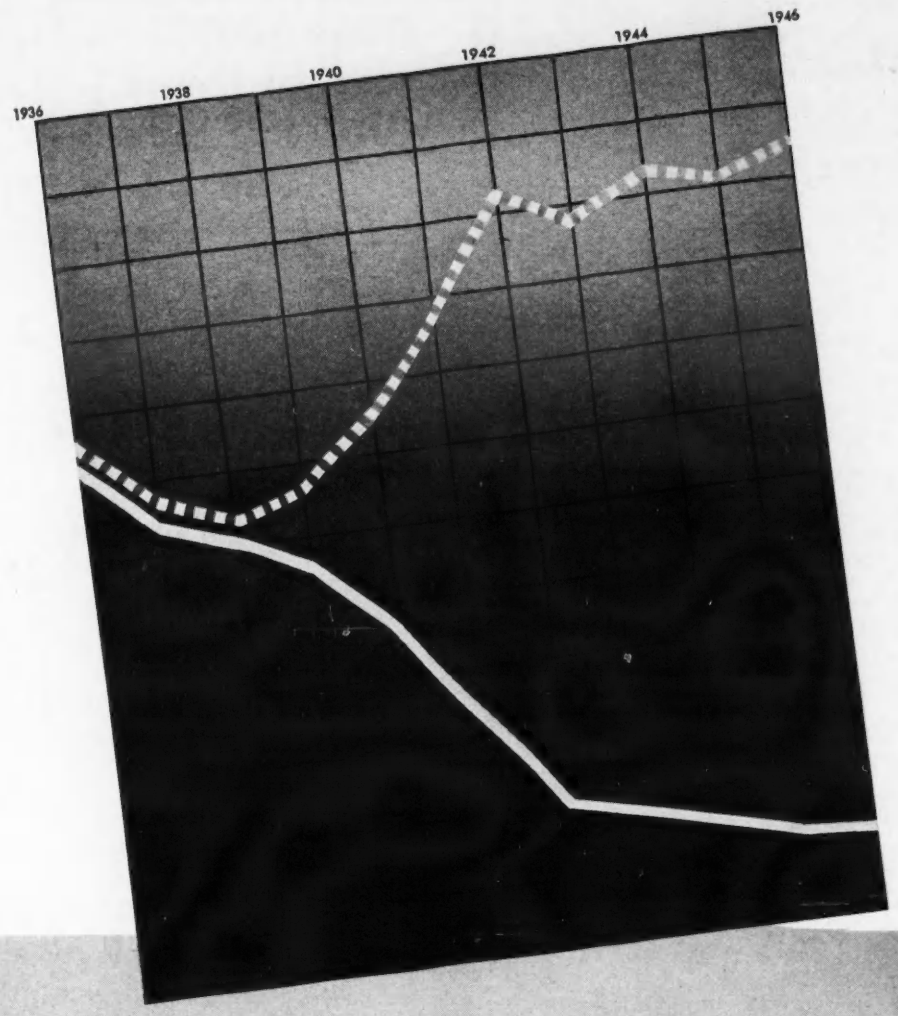
CPA Limits Directives

Civilian Production Administration policy is swinging rapidly towards the idea that industries should work out their own materials supplies problems without the help of the government. Except for such public interest programs as veterans housing construction, instructions are going down the line to begin tightening up on the issuance of directives and ratings channeling scarce materials for particular uses.

For some considerable time there has been much agitation for issuance of directives which would make possible an increase in the production of containers, particularly steel containers. All industries are facing a shortage of these containers, but CPA officials are taking the position that the industry is now operating at capacity and nothing would be gained by directing it to produce more.

Just recently the CPA has taken another tightening step. CPA directives on surplus property held by the WAA will hereafter be issued only in the cases of extreme public emergency.

OPD—8-19-1946 37



10-Year Price Trend of Pfizer Ascorbic Acid Shows Steady Drop

The above chart shows at a glance the price history of Pfizer ascorbic acid in relation to the price history of all chemicals and allied products.

The broken line at the top represents the overall trend of the entire field. It charts the Index Numbers of Wholesale Prices of Chemicals and Allied Products issued by the U.S. Department of Labor, Bureau of Labor Statistics. The solid line below illustrates the trend of ascorbic acid U.S.P. as manufactured and sold by Chas. Pfizer & Co., Inc.

While Pfizer ascorbic acid prices reversed the trend in the trade, going down instead of up in the early forties, there has been no compromise in the high quality standards maintained.

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Heavy Chemicals

Low extent of chemical plant inventories at present has exerted a restricting influence on new buying. Production of most of the heavy tonnage chemicals is sold far ahead and, while there is an occasional trickle of resale stock into the open market, trading has not involved any sizable tonnage. The boxcar shortage has continued, possibly not as bad as at the beginning of the month, but every available truck has been pressed into service to keep the flow of chemicals open from plant to industry.

Price changes have been exceedingly few. Carbon tetrachloride was advanced 4c. a gallon by some producers and lead naphthenate was up ¾c. per pound. No new price revisions were announced in the copper chemicals. Manufacturers of oxalic acid have been given an opportunity to increase prices by OPA, but they have made no definite date so far regarding a revision of quotations. Chlorine has worked into a tighter position. UNRRA is said to have taken enough carbonate of potash to create a shortage for domestic use. Caustic potash is short with the supply of the dry forms more acute than the liquid. No visible improvement could be noted in the alkali situation. Soda ash, bicarbonate of soda and caustic soda have moved behind schedule with no immediate improvement in sight. Shortages of sulphide of soda, nickel and zinc sulphates have not been relieved and a severe shortage of formic acid has been reflected in various chemicals whose manufacture requires this acid.

According to an official of one of the major glass companies, record output of flat glass despite the urgent need for prompt price relief will undoubtedly meet all foreseeable requirements of the construction field for the remainder of the year. Requirements of the automotive industry and furniture and mirror manufacturers are also expected to be met.

Paper production as a percentage of six-day capacity was 103.4 in the week ending August 9, according to the American Paper and Pulp Association. This compares with .96 in the previous week and 105.2 percent a year ago.

Production figures appearing in some of the following market reports were released by the Bureau of the Census unless otherwise specified.

Ammonia—Substantial increase in June production of synthetic anhydrous ammonia is attributed to the inclusion of operations by two establishments not previously reporting. Prior to June, production of these plants was classified as military and were not included. June output was 60,609 tons, compared with 34,511 tons in the preceding month.

Ammonia Bicarbonate—Firm under a steady demand mostly from the bakeries. Production has kept shipments moving freely and the market has developed a satisfactory degree of balance.

Ammoniac Sal—Supply position has remained somewhat tight owing to the maintenance of an exceedingly heavy demand from the dry battery trade. Makers of these batteries are being pressed for shipment. According to a recent amendment to RMPR 136 which states that resellers of lead acid storage batteries, cells, and plates may increase their ceiling prices for these products by the same percentage that their net invoiced costs have been raised as a result of higher maximum prices granted manufacturers on June 11, 1946. Capacity production of sal ammoniac has been attained and is moving as rapidly as transportation facilities will permit. There is not enough material to satisfy the export demand which has grown to sizable dimensions. When production abroad is increased, the export inquiry is expected to relax.

Antimony Oxide—Shipments have continued under government regulation, but all allocations have been met promptly. Difficulty has been experienced in securing export licenses although it was stated that a small lot was permitted to move out recently.

Market Trends

Prices Advanced

Lead naphthenate, ¾c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
170.1	169.3	169.3	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see Page 9)

Arsenic—Supply position remained tight although production was said to be gradually increasing Mexico's output of white arsenic in 1945 amounted to 15,712 metric tons, worth approximately $1,328,000, according to the Mexican Bureau of Mines.

Calcium Carbide—Production showed improvement in June. Total output of commercial was 43,124 tons, compared with 36,761 tons in May.

Calcium Phosphate—Moderate increases were reported in output in June. Production of monobasic was 5,233,000 pounds against 4,867,000 pounds on May. June output of dibasic was 5,670,000 pounds, compared with 4,143,000 pounds in the previous month.

Carbon Dioxide—Liquid and gas production in June registered 16,744,000 pounds, compared with 16,979,000 pounds in May. Output of dry ice in June was 61,771,000 pounds against 58,197,000 pounds in the previous month.

Carbon Tetrachloride—Market is firmer with some major producers asking 4c. a gallon higher. Surplus stocks have been liquidated and the market has been relieved of its former selling pressure.

Chlorine — Stocks have tightened since the turn of the month with the movement experiencing delays on account of container shortages. Production in June amounted to 96,420 tons, compared with a revised total of 89,947 tons in May.

Copper—July production of crude copper amounted to 56,264 tons and 43,606 tons of refined copper compared with 32,785 tons of crude and 23,870 tons of refined in June, according to the Copper Institute Stocks of refined copper on July 31 were 101,183 tons, against 79,145 tons on June 30. Bureau of Mines states that mine production of copper in the United States in June was relatively unchanged from May, despite the shorter month, indicating a slight gain in the over-all daily rate of production. Mine, smelter, refinery and fabricating plant strikes, that have interferred sharply with the flow of copper to markets, were largely settled by the end of June. Mine and smelter settlements came too late to aid production in June, but should have a marked effect on supplies in the second half of the year. Uncertainty regarding the continuation of bonus payments was said to have caused a reduction in output at many small mines in June.

Lead Naphthenate—Prices have responded to higher producing costs and the market has advanced ¾c. per pound. This revision covers two advances in litharge since the beginning of the year. Sales of moderate dimensions have been reported for paint drying requirements.

Potash Carbonate — Shipments of this chemical to meet UNRRA requirements are said to have kept supplies for domestic use exceedingly short. Shipments are behind schedule and the market maintains a tight position.

Potash Caustic—Production has not been sufficient to meet demand and shipments are delayed. The supply of the dry forms appeared shorter than the liquid material.

Potash Chlorate—Industrial demand has over-topped production at present and shipments are running behind schedule with the market temporarily off balance. The situation is not as bad as in chlorate of soda where a recent avalanche of buying

For Late Market Developments, See Page 4

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has tied up output for several weeks ahead.

Soda Ash—Market conditions have revealed no visible signs of improvement during the past week. Shipments are behind schedule although all the material possible is being moved from plants to ease an exceedingly heavy consuming demand. There are no inventories at present and, aside from occasional resale lots, the open market has remained bare of stocks. Production of light soda ash in June was 148,861 tons against 150,969 tons in May. Output of dense ash in June was 107,615 tons, compared with 104,055 tons in the previous month. Production of natural was 17,267 tons in June and 17,847 tons in May.

Soda Bicarbonate—Short stocks have continued to hold the market in a tight condition. Production in June was 13,355 tons, compared with 14,399 tons in May.

Soda, Caustic—Supplies are insufficient to meet the heavy industrial demand promptly and shipments continue considerably behind schedule. The movement is being fed from current production on account of the absence of inventories. The container and boxcar shortage has continued to aggravate the situation. Production in June amounted to 93,694 tons of liquid by the electrolytic forces against a revised total of 87,226 tons in May. Production of solid by this process was 14,397 tons in June and 15,630 tons in May. Output by the lime-soda process was 55,047 tons of liquid and 14,043 tons of solid in June, compared with 52,050 tons of liquid and 14,740 tons of solid in the preceding month.

Tin—Although hampered by steel and coal strikes during the first half of the year, the steel industry came within 87 thousand tons of supplying all tinplate requirements established during this period for essential food containers. The carry-over of tinplate requirements for the domestic food pack into the third quarter of the year amounted to 47 thousand tons. The foreign relief program lacked 31 thousand tons of being filled, or approximately a 20 percent deficit. However, even if third-quarter production does amount to 900,000 tons, industry and CPA officials agreed that it would not allow any considerable relaxation in present CPA regulations which require the channelling of at least 85 percent of all tin mill production for food containers, pharmaceuticals and other essential uses.

Acids

Acetic—Available stocks have been reduced and the market has developed a tighter condition. The shortage is a reflection of the recent disturbances to output resulting from the late coal and railway strikes. Output lost during that period can never be made up. While inventories at present have been drained, it is believed by producers that the current shortage is temporary and that output will even off demand within a reasonably short time.

Hydrofluoric—No shortage of this acid at present. June production amounted to 3,334,000 pounds, compared with 3,443,000 pounds in the preceding month.

Muriatic—June production gained slightly over May. The totals stood at 27,438 tons in June against 26,331 tons in the previous month.

Nitric—A sharp gain in output was registered in June. The increase is explained by the fact that production includes two plants not previously reporting. The totals were 55,416 tons in June and 32,537 tons in May.

Oxalic—Producers now have the authority to advance prices but have set no definite date as to the time of revision. According to amendment 3 to revised price schedule 78, effective August 19, OPA states that manufacturers may apply for an adjustment in their ceiling prices for oxalic acid if there is a general shortage in supply and they cannot continue production without a price increase owing to higher costs. This authority is granted following advices that some manufacturers are not able to cover their costs under existing ceilings and may be compelled to discontinue pro-

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duction unless given higher price ceilings.

Phosphoric—Market position has remained tight with inventories at a definitely low level. Production in June showed a moderate gain. The amount made from phosphorous was 33,740 tons against a total of 32,706 tons in May and production from phosphate rock was 34,966 tons in June and a revised total of 29,267 tons in May.

Pyroligneous — Consuming demand has not exceeded moderate dimentions. Material was available at 29c. a gallon in drums, ex-warehouse.

Sulphuric — Total production was lower in June at 733,241 tons, against 780,702 tons in May. The largest decrease was in the contact process where output registered 457,327 tons, compared with 472,693 tons in May. Aside from some interruption from container shortages, the market situation showed a fair degree of balance.

Baltimore, Aug. 16. — Manufacturing operations in sulphuric acid are proceeding about as usual, with the demand large enough to absorb production, but with no further needs of provision for additional storage facilities. Costs of materials, are gradually working up to higher levels, with labor more readily obtainable than was the case before the proclamation of peace, though this problem at no time presented special difficulties because of the operation of plants being virtually automatic. The needs of the government are readily taken care of, with requirements of the numerous industrial consumers also provided for in a way that presents no difficulties of troublesome problems. Transportation costs are higher than they were, but the producers manage to earn fair profit margins, with virtually the only problems presented being occasional halts for overhauling machinery.

Philippines Import Rule Protested

The Commerce and Industry Association of New York has asked the State Department to intercede with government officials of the Philippines to rescind or amend their Customs Administrative order affecting certificates of origin.

The main objections are against the provision requiring that certificates of origin be sworn to before a collector or deputy collector of customs instead of a notary public as heretofore and that the collector or his deputy make a similar certification.

The commerce group feels that this provision works a hardship on the exporter and the already overburdened customs staff.

WAA to 'Decontaminate' 75 Surplus War Plants

OPD Washington Bureau

War Assets Administration has estimated that seventy-five surplus war plants, representing a government investment of more than $1,500,000,000 will have to be "decontaminated" to remove existing hazards so that they may be converted to peacetime uses. Most of the plants are wartime producers of explosives and their components, although a few Chemical Warfare Service plants and gasoline refineries are included in the group to be neutralized.

Parker Elected Head Of Sperti Foods, Inc.

Henry S. Parker, formerly vice-president of the Beaufort Chemical Corporation, Beaufort, N. C., has been named president of the newly-organized Sperti Foods, Inc., a wholly-owned subsidiary of Sperti Inc., Cincinnati. W. D. Siebern, vice-president of the parent company, becomes vice-president of the new firm, and William H. Albers, chairman of the board of Sperti Inc., becomes chairman of the board of the subsidiary.

Sulphur Output Off

Production of native sulphur for the second quarter in 1946 totaled 894,275 tons compared with 921,775 tons for the second quarter in 1945, according to the Bureau of Mines.

Mine shipments amounted to 1,069,041 tons for the second quarter in 1946 against 1,111,957 tons for the second quarter in 1945. Producers' stocks at the end of the second quarter for 1946 were 11,628,469 tons compared with 11,498,680 tons for the second quarter of 1945.

Int'l Nickel Opens New Technical Section

The International Nickel Company, New York, announces the opening of the Texas technical section of its development and research division, which is located in Houston. It will furnish to industry technical information and assistance relating to alloys containing nickel. The section's activities will cover the states of Texas, Oklahoma, Louisiana, Mississippi and the southern half of Arkansas. R. J. Rice, metallurgical and chemical engineer, will be in charge.

Crushed, Broken Stone Output: 1945

Crushed and broken stone sold or used by producers in the United States in 1945, as reported by the producers to the Bureau of Mines, totaled 152,346,520 short tons, valued at $161,459,264, a decrease of 2 percent in quantity but a slight increase in value compared with 1944.

Metallurgical uses took 18 percent of the crushed and broken stone produced in 1945, but the 27,639,520 short tons valued at $22,076,393 showed a decrease of 11 percent in quantity and 12 percent in value compared with amount used in 1944. Limestone for agricultural purposes (17,395,570 short tons valued at $25,892,317—11 percent of the total tonnage of crushed stone in 1945) also decreased in quantity—8 percent—but increased 2 percent in value. Although agricultural limestone sales were less than in 1944, they were higher than in any of the previous years. Refractory stone (2,526,650 short tons valued at $4,545,339) showed an increase of 9 percent in quantity and 18 percent in value.

Jones & Laughlin Buys WAA Ore Processing Plant

Jones & Laughlin Ore Company, Pittsburgh, has purchased for $4,000,000 the iron ore processing plant it operated during the war at Benson Mines, N. Y., according to the War Assets Administration.

Jones & Laughlin, the agency said, expects to spend more than $2,000,000 to improve and modernize the Benson Mines plant. The company has a fifty-year mining lease on some 3,000 acres of ore land near Benson Mines.

Penn. Salt Buys Ky. Fluorspar Mine

The Pennsylvania Salt Manufacturing Company, Philadelphia, has purchased the Kentucky Babb fluorspar mine near Salem, Kentucky. The mine and surface inventory were purchased from Roberts & Frazer, active in other fluorspar mining operations as the Kentucky Fluorspar Company. Pennsalt recently has completed underground explorations of the Kentucky Babb mine but is not now producing from it.

Trade Briefs

Sharples Chemicals, Inc., Philadelphia, is issuing a new booklet which describes its commercial products and products now in the laboratory stage of development.

Dexter Chemical Corporation has added I. Peters to the sales force of its textile chemical division and has been assigned to the New York and New Jersey area, making his headquarters at the company's general offices at 819 Edgewater road in New York.

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Medicated Ointment Claims Hit by FTC

OPD Washington Bureau

Kraupner & Kraupner Inc., manufacturer of a medicated ointment, Brooklyn, N. Y., and Diener & Dorskind, an advertising agency, New York, have been ordered by the Federal Trade Commission to stop disseminating false advertisements concerning the therapeutic properties of the ointment.

The order forbids the respondents to disseminate any advertisement representing that the ointment is a competent or effective remedy for leg sores, varicose ulcers or other ulcers; that it has any therapeutic value in the treatment of such conditions in excess of temporary alleviation of pain when the source of such pain is accessible to local application of the preparation; or that it promotes or speeds healing.

The commission issued its order after a stipulation as to the facts was entered into by the respondents and counsel for the Commission in which it was agreed that the stipulated facts might be taken in lieu of testimony in support of or in opposition to the allegations of the complaint and that the commission might enter an order disposing of the case without intervening procedure.

Miahati Inc. Gets FTC Order on Perfume Ads

OPD Washington Bureau

The Federal Trade Commission has ordered Miahati Inc., Andrew Apicella, its sole owner and the Abbot Manufacturing Company, all of New York, to cease and desist representation that perfumes compounded in the United States are of Hawaiian origin.

Miahati Inc. and Mr. Apicella are ordered to stop disseminating any advertisement representing directly or through inference that perfumes they sell are manufactured or compounded from flowers, scents, oils or other ingredients from Hawaii, or that their perfumes originate in Hawaii or are made in the United States from ingredients imported from Hawaii.

The Abbot Manufacturing Company prior to December, 1944, the Commission says, purchased Miahati perfumes for export under the original brand names to South America and other foreign countries. The company is not now engaged in the perfume business.

CPA Rules Out Special Urgency Certificate

OPD Washington Bureau

Urgency certificates will no longer be issued or renewed for surplus items listed in the War Assets Administration veterans' set-aside list, the Civilian Production Administration has announced. However, all outstanding certificates will remain valid until their expiration dates.

An urgency certificate gives a buyer first preference for WAA surplus property unless CPA directs otherwise. An amendment to direction 16 to Priorities Regulation 13 outlines conditions under which such certificates may be issued.

Under the recent amendment to the surplus property act, WAA has designated a list of items which may be sold only to veterans. This list is published as Exhibit A of Amendment 1 to WAA Regulation 2, dated June 4. The list is subject to frequent changes, it was pointed out. Accordingly, CPA is confining its urgency certificate assistance to items not on the set-aside list.

Austria Removed From 'Group E' List

The Office of International Trade has announced that Austria has been removed from the list of "Group E" countries for which special restrictive export licensing regulations are in effect. The action paves the way for resumption of normal trade relations with that country to the extent that economic conditions in Austria permit.

General license privileges which enable exporters to ship freely to most countries goods that are not in short supply are now extended to include Austria. The only countries remaining in the "Group E" category are Hungary, Bulgaria, Romania, Spain and its possessions, Korea, and the occupied islands of the Pacific. No private trade is as yet permitted with Germany or Japan.

Ford Co. to Decentralize Purchasing Program

Albert J. Browning, vice president in charge of purchases of the Ford Motor Company, Detroit, has announced that plans have been formulated to decentralize the $600,000,000 purchasing operations of the company.

Under the new program, purchasing agents in thirteen Ford assembly plants throughout the nation will be authorized to buy directly in their local communities to fill their respective needs for maintenance, repairs and general stores items.

Trade Briefs

Baybank Pharmaceuticals division of Chesebrough Manufacturing Company is the new name of the Pineoleum Company.

Dr. Ralph W. Spitzer, who has been at the University of California for the past year on a national research council fellowship, has been appointed assistant professor of chemistry at Oregon State College.

E. A. Kiernan is celebrating his fiftieth year of association with Dryden & Palmer Inc., manufacturer of rock candy products, Long Island City, N. Y. Mr. Kiernan is vice-president and sales director of the firm.

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Obituaries

—*Continued from page 4*

having been associated with the industry in his work with the government extending over a period of twenty-two years. His interest chiefly was in fertilizers and was the author of several publications in this field when he was with the Department of Commerce from 1924 until 1941, when he was loaned by the department to the Office of Production Management to handle the problems of inorganic chemicals in the war effort.

During the five years with OPM, its successor the War Production Board and now the Civilian Production Administration, Mr. Wizeman directed such major war programs as production and distribution of fertilizers, expansion of the production of sulphuric acid, chlorine and alkalies.

At the time of his death he was the alternate United States member of the International Emergency Food Council, successor organization to the Combined Food Board.

He is survived by his wife, Margarette, and a son, John W., jr.

Funeral services will beheld this morning at the Schlemm funeral parlor, 2200 Hudson boulevard, Union City, N. J.

Herbert J. Douglas

Herbert J. Douglas, formerly controller of the Sherwin-Williams Company, paint manufacturer, Cleveland, and general manager of the Okite Company, New York, collapsed and died August 14 in a Chicago railroad station. He was sixty-eight years old.

Bernard Arkin, head of the Bernard Arkin Photographic Supplies Company, New York, died August 10 in Great Neck, L. I., after an illness of seven weeks. He was fifty-nine years old.

Andrew C. Blue, vice-president and general manager of the Fontaine Converting Works, Martinsville, Va., died there August 7. He was fifty years old. Several years ago he was with the National Dying & Finishing Company, Paterson, N. J.

Nathaniel C. Doughty sr., for thirty-eight years associated with Armour & Co., Chicago, died recently at Upper Darby, Pa. He was fifty-nine years old.

William H. Sanford, head of the food brokers firm of William H. Sanford & Son, New York, died in New Rochelle, N. Y., August 10. He was seventy-seven years old.

William Shand, Jr., who was engaged in scientific and research development work for the government in Panama and the Pacific during the war died last week in an automobile accident in Elko, Nev. A native of Lancaster, Pa., Mr. Shand, who was valedictorian of the Princeton University class of 1940, recently was appointed instructor in molecular physics at the University of California.

Noel E. Harman, secretary, treasurer and general manager of the Meridian Fertilizer Factory, Hattiesburg, Miss., and for many years a member of the board of directors of the National Fertilizer Association, died August 13, in New Orleans.

B'klyn Polytechnic Establishes New Post

Establishment of a new post of administrator of research for contract projects at the Polytechnic Institute of Brooklyn is announced by Dr. Harry S. Rogers, president of the Institute.

As the first incumbent of the new post, Howard P. Wile is coming to the Polytechnic Institute from the Massachusetts Institute of Technology. At MIT from 1944 to 1946, Mr. Wile first was with the Radiation Laboratory and then the Research Laboratory of Electronics, carrying on administration, liaison and personnel work.

Zonite Expands Plant

Foundation work has been started on a new $300,000 addition to the New Brunswick, N. J., plant of Zonite Products Corporation. The building will provide expanded space for the company's advertising and shipping departments.

Philipp Brothers Moves

Philipp Brothers Chemicals, Inc., New York, has located in new quarters at 37 Wall street. The telephone number is Hanover 2-4676.

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Cleveland, O.	15,030
Little Rock, Ark.	1,040,990
Richmond, Va.	2,179,810

The material is offered subject to the right of inspection by the prospective purchaser at its locations. No warranty is made, either expressed or implied, except as to title and description. Minimum purchase—one carload, except where the total amount available is less. Written offers to purchase all or any part f.o.b. location of this material will be

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by the Regional Offices listed above. War Assets Administration reserves the right to reject any or all offers; to make awards in whole or in part; or to extend the period of sale. Material subject to withdrawal prior to shipment.

Reserve for Priority Claimants: Ten percent of the material offered is reserved for sale to Federal Agencies for their own use. The balance and any unsold portion of this reserve is offered for sale in the following sequence as provided by law:—(1) Certified Veterans of World War II; (2) Subsequent priority claimants; (3) Non-priority purchasers. VETERANS OF WORLD WAR II should apply to their nearest War Assets Administration Regional Office for certification; the case number assigned and the location of the certifying office must be stated in a Veteran's offer to purchase.

Mark your envelope "Offer to purchase Hexachloroethane." Address it to the Regional Office nearest you having the inventory.

WAR ASSETS ADMINISTRATION

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Labor Relations

—Continued from page 3

to pay more than the contract minimum, he may do so. The union there has no contractual right. Likewise, if the contract has no minimum rates, then the employer may hire at any rate regardless of the employee's classification and experience. That is what happened in the Western Union case.

Motive Is Controlling

One overall condition must, however, be imposed upon the employer. Payment of rates above minimum to newly hired employees cannot be made with the motive of accomplishing an unfair labor practice under the Wagner act. Thus bargaining individually with newly hired employees and establishing their rates above scale in order to induce such employees to quit or not to join the union would constitute an unfair labor practice under the Wagner act and make unlawful what otherwise would be lawful. For example, NLRB has held wage increases granted before recognition of the union to be illegal where the same are for antiunion purposes. This likewise would be prohibited if such practice is indulged in, even after union recognition and while the collective bargaining agreement is in effect.

A charge of unfair labor practice based on hiring new employees above scale would be difficult to stand up against an employer in these days of labor shortages, especially under a closed or union shop agreement. Under maintenance of membership contracts, it could possibly be conceived that above-scale hiring rates might in some cases be used for ulterior or antiunion purposes. Proof of such ulterior motive would indeed have to be clear and sufficient before any court or arbitrator would deem payment of above-scale rates after the union is recognized as antiunion activity and, therefore, an unfair labor practice.

In all events, assuming good faith on the part of the employer, hiring of new employees above minimum rates could not be challenged by a union.

Steel Shipping Barrels Output Off in June

Production of steel shipping barrels, drums and pails during June, declined slightly, with the industry producing 1,800,000 heavy-type barrels and drums, 692,000 light-type barrels and drums, and 4,600,000 steel packages, kegs and pails, according to a report by the Bureau of the Census. This compared with the May production of 1,861,445 heavy-type barrels and drums, 812,219 light-type barrels and drums, and 4,264,061 packages, kegs and pails.

Hymer to Retire as Head Of Hercules' Explosives Unit

Charles W. Hymer, manager of the sporting powder division of Hercules Powder Company's explosives department since 1919, will retire September 1, the company has announced. Henry N. Marsh, manager of smokeless powder operations, will take over management of the sporting powder division as well, with the title of manager, smokeless powder division.

Trade Briefs

Ralph Hansen, assistant to the manager of the packaging division of the Monsanto Chemical Company has been appointed Hartford County, Connecticut, chairman of the Committee for Economic Development.

Dr. Emil Ott, director of research for the Hercules Powder Company, Wilmington, and Eero Erkko, his technical assistant, are in Europe on a two-months tour which will include visits to England, Sweden, Switzerland, Holland, Belgium, and France. They will visit various chemical plants and talk with noted scientists, including experts in the field of cellulose chemistry.

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Price Exemptions

—Continued from page 5

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Sodium bicarbonate, chloride, and hydrosulphite
Sodium-alkylbenzine sulphate cleaning fluid (household package)
Sodium-formaldehyde hydrosulphite
Stoneware clay
Strontianite
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SO 129 primarily has to do with machines and parts. In this respect it covers a multitude of articles, including chemical process machinery, electroplating and hot-dip metal-coating equipment, glassmaking machinery, leather tanning and working machinery, ore dressing and concentrating machinery, paint and varnish making machinery, petroleum industry drilling and producing machinery and equipment, petroleum refining machinery, pharmaceutical machinery.

OPA Hearings

—Continued from page 5

terest centered mostly on livestock and milk.

The views expressed by the majority of the crushers of oil seeds was that because of the short cotton crop and the shortage of other oils, it would be a mistake not to place the oils back under control. The absence of any ceilings will not produce any more oil, it was pointed out, and could only lead to continued price rises and price squeezes for the users of the oils.

R. M. Hughes, speaking for a majority of the crushers of North and South Carolina and a member of crushers in other cotton states, pointed to the rise that has taken place since June 30 in cottonseed oil, meal and hulls and described them as unreasonable. He argued also that ceilings on cottonseed oil are practical and that it has been demonstrated that they are enforceable.

It was stressed, however, that in the event ceilings are restored that they remain in effect throughout the entire period of the crop year. It was pointed out that the crushers normally purchase the entire crop of the seed within the first sixty to ninety days of the year, and dispose of it during the remainder of the year.

Opposition to recontrolling prices of soybeans came from the Archer Daniels Midland Company whose spokesman said that in view of the large crop of soybeans this year it could be expected that prices would remain reasonable and recontrolling would be unnecessary. Even if prices of soybean oil got out of hand, he insisted, the Department of Agriculture has ample authority to bring them back in line by its authority to regulate inventories and direct the distribution of the oil.

During the hearings on grains, the board was urged by Robert Capps of the Linseed Crushers Advisory Committee to restore price controls over linseed oil. He too pointed to the shortage of linseed oil and warned that if the price was left uncontrolled it would go out of sight. He predicted that the linseed oil shortage would last for several years.

Wyandotte Chemicals Research Head Makes Scandinavian Tour

Dr. Thomas H. Vaughn, director of research for Wyandotte Chemicals Corporation, is one of a group of more than twenty American executives and scientists now touring Sweden, Denmark and Norway. The group left New York August 10. The tour will terminate September 7, at Gothenburg, Sweden, after 18 days of conducted tours of industrial and educational research laboratories and manufacturing plants in the three Scandinavian countries. Sponsor of the tours is the Royal Swedish Academy of Engineering Research.

Reichel Made Chairman Of American Viscose

Frank H. Reichel, president of Sylvania Industrial Corporation, New York, has been elected chairman of American Viscose Corporation, New York, following approval of stockholders of the latter company of the purchase of Sylvania. Stockholders of Sylvania, with plants at Fredericksburg, Va., will meet on August 26 to vote on the sale of the company.

Freeport Names Hamilton Head of Nicaro Nickel

Frank Hamilton has been elected vice-president of Nicaro Nickel Company, a subsidiary of the Freeport Sulphur Company, New York. Mr. Hamilton, who joined Freeport in 1943, had been serving as assistant to its president. Prior to that he was on the staff of the War Production Board.

Davidson Joins Penna. Salt

John M. Davidson, recently released from the Navy, has joined the special chemicals division of the Pennsylvania Salt Manufacturing Company, Philadelphia.

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International Minerals Enlarging Iowa Plant

The International Minerals & Chemical Corporation, Chicago, is starting construction of an acidulating unit and addition to its Mason City, Iowa, plant, which will about triple its size when completed. Total cost of the project will be approximately $150,000.

With the addition of the acidulating unit, the plant will be capable of producing its own superphosphate which it currently obtains from International's plant in Chicago Heights, Ill. When completed, the enlarged structure at Mason City will house a complete fertilizer plant for the production of the finished product for shipment to the users. It is expected to be in full operation early in 1947.

Japan Chemical

—Continued from page 5

doubtful whether the allocation from Pacific sources can be shipped in time for this season's planting. One shipment was received during the month from Kita Daito and the first shipment from North Africa is enroute.

Production of important chemicals in May, with estimates for June, is shown in metric tons in the following table taken from the report:—

Product	May Production	Percent of Minimum Monthly Requirements Produced in May	Estimated June Production
Sulfuric acid	71,645	22	88,142
Ammonium sulfate	41,702	33	52,540
Salt	31,800	29	45,000
Calcium carbide	24,371	73	27,780
Calcium cyanamide	14,783	40	21,770
Ammonia	12,577	36	14,660
Soda ash	2,098	28	3,010
Caustic soda	2,080	23	1,657
Hydrochloric acid	1,442	23	1,400
Ethyl alcohol	*991	20	*1,506
Nitric acid	703	28	430
Methyl alcohol	647	31	688
Benzene	428	34	628
Sodium bicarbonate	238	56	250
Dyestuffs	192	29	337

*Kiloliters.

The report also discussed other items in the allied chemical field as follows:—

Salt

As a result of warmer weather salt production doubled in May and is expected to increase 50 percent in June. Imports of salt are continuing to increase.

Soda Industry

May production of Solvay process soda and soda ash did not increase. Production of electrolytic caustic soda, chlorine, hydrochloric acid and bleaching powder decreased in May. Increasing salt production and imports will help the soda industry become more active in the immediate future. The shortage of coal continues to hamper production.

Drugs

The production of drugs and their intermediates has increased substantially and is expected to continue to rise as a result of increased coal allocations.

Dyestuffs

The production of dyes increased in May but, in view of the reduction in coal allocations, no further increase is expected.

Other Products

The production of solvents such as ethyl alcohol, ether, acetone and methanol has increased considerably. Demand for these solvents by the pharmaceutical and film industries has increased considerably.

Trade Briefs

Pennsylvania Salt Manufacturing Company, Philadelphia, is distributing a six-page leaflet describing its DDT emulsion and its uses in food plants or agricultural and dairy buildings.

Bandini Fertilizer Company, Vernon, Cal., will construct a new factory in that city at a cost of $35,000.

War Assets Administration has published a booklet which tells "How, What and Where" to buy government surplus property.

ALUMINUM CHLORIDE
ANHYDROUS

PHOSGENE
(CARBONYL CHLORIDE)

NIAGARA CHLORINE PRODUCTS CO.
LOCKPORT, NEW YORK

EDIBLE — TECHNICAL
EGG ALBUMEN
For Every Purpose or Use

W. WALTER KOCH CO.
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BICHROMATE OF SODA
CHROMIC ACID

OVER A CENTURY OF CHROMIUM CHEMICAL PROGRESS

MUTUAL CHEMICAL COMPANY OF AMERICA
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Textile and Leather Chemicals

Tight supply conditions in sizing materials continued to feature the market. Demand for corn derivatives continued urgent and production was absorbed against a heavy backlog of orders. Processors were not accepting new business, except subject to delay in delivery. Trading in potato starch was slow and prices were fractionally reduced. The summer production has been materially slackened and mills were expected to shut down soon and reopen late in September for the regular season. Business in tapioca flour was quiet and no improvement was looked for until the removal of import ceilings. OPA it was reported was preparing an order placing tapioca flour under the Maximum Import Price Regulation, the announcement of which was expected shortly.

Uncertainty of obtaining hides resulted in tanners showing little interest in tanning materials last week. Another factor which precluded trading was the heavy arrivals of tanning materials of late which have replenished tanner's inventories. Trade interest was focused on the expected announcement shortly by OPA of the placing of wattle bark and extract and other tanning materials under the Maximum Import Price Regulation, which establishes ceilings on imported products at landed costs, plus normal mark-ups. Quebracho extract will continue for the present under its specific price ceilings, OPA stated.

Market Trends

Prices Advanced

None.

Prices Reduced

Potato starch, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
296.2	296.2	297.2	296.3

(For Current Prices see Page 9)

Chemicals

Alumina Acetate—Steady call was reported for prompt requirements. Market was firm and unchanged.

Bichromates—An active demand continued to absorb the production for delivery against current contracts. Surplus material was scarce and affected export business. Market was strong at ceilings.

Potash, Prussiate—This market was steady with demand fairly active for immediate delivery. Prices were unchanged and firm.

Soda, Hydrosulphite — Withdrawals against former contracts were in good request. Quotations were well maintained.

Zinc Dust—Production totaled 2,533 short tons in April and 8,710 tons for the January-April period. Stocks on hand at the end of April were reported at 1,571 tons, according to the Bureau of Mines.

Sizing Materials

Albumen, Blood—Demand was active against former orders and a good inquiry was reported for prompt delivery. Production was sold well ahead. Prices were firm and reflected the scarcity of basic materials.

Albumen, Egg—Trading was light and restricted to small lots for immediate needs. Supplies were liberal and sizable quantities could have shaded quotations on firm bids. Demand for technical grades were moderate and prices were steady, depending upon quality.

Dextrin, Corn—Supplies were still limited as production was delivered against former orders. Demand continued active, with processors accepting new orders, subject to delay in delivery. Market was firm at current levels.

Egg, Yolk—Inquiry was fairly active and with supplies limited the market was steady. Volume of sales were reported as fair. Prices ranged from $1.05 to $1.09 per pound, according to quantity.

Starch, Corn—Increased corn supplies enabled processors to operate at a good rate. Supplies, however, continued scarce as production was absorbed against former orders. Little appreciable improvement was expected in the tight supply situation until the late Fall months when the new crop becomes available in volume. Visible corn supply increased 841,000 bushels to 11,936,000 bushels for the week ended August 10, compared to 5,410,000 bushels a year ago, according to the Chicago Board of Trade.

Starch, Potato—Reports from Maine indicated that the Summer production is nearing its close and mills would shut down soon. Business was reported slow. Sales were reported at 13c. to 13½c. per pound, carlots, f.o.b. mills, with buyers confining interest to immediate requirements. Supplies on the spot New York, were quoted at 14c. to 14¼c. per pound carlots, and up to 17c. per pound for small lots.

Tapioca Flour—Announcement by OPA of the removal of import ceilings on tapioca flour and placing it under the Maximum Import Price Regulation was expected shortly by the industry. Consuming inquiry for shipments from Brazil was keen and trading of a good volume was expected to materialize as soon as import ceilings are lifted. Some 8,030 bags of manioc flour were rejected as filthy by the Food and Drug Administration last week. Recent sales of this material were made at 5c. per pound for industrial use, with additional quantities offered at this figure. Imports of manioc flour totaled 175,185 bags at New York last week, the largest amount since the movement began several months ago. Imports of 20,000 bags of tapioca flour from San Domingo and 2,550 bags from Brazil at New York were noted last week for delivery against former contracts.

Tanning Materials

Chestnut Extract—CPA suspended order M277 controlling the use of this product effective August 31. Market remains steady with the increased production in steady demand. Prices were unchanged and firm at ceilings.

Divi Divi—Business was reported slow. Advices from primary centers indicated a steady market. Offerings for shipment were well held at current levels. Buying interest was light.

Mangrove Bark—Offerings were reported liberal with tanners showing little interest. Shipments were unchanged and more or less nominal for 38 percent tannin at $54 per ton, landed U. S. ports. Arrivals totaled 7,710 bags at New York last week for delivery against former orders.

Myrobalans—Lack of trading continued to create an easy tone in primary markets. Sellers were offering freely, with tanners practically out of the market. Shipments of whole J1 were quoted at $51 to $52 per ton, and J2 at $48 per ton, landed, U. S. ports.

Quebracho Extract—Arrivals of 46,000 bags were noted at New York last week for delivery on previous contracts. Tanners continued to show an active inquiry for future requirements. Market was strong at ceilings. It was understood that prices of quebracho extract will continue for the present under specific price regulations, while wattle extract and other minor tanning materials may be transferred to MIPR.

Sago Flour—Imports totaled 838 bags at New York last week, the bulk of which was said to be for delivery on previous orders. Recent sales of small lots were reported at 14c. per pound for spot delivery.

Tara Powder—Inquiry for prompt delivery was reported fairly active. Prices for shipment were firm at ceilings. Arrivals totaled 230 bags of pods and 268 bags of powder at New York last week for delivery on former orders.

Wattle Extract—It was reported that OPA contemplated placing bark and extract under MIPR, and the order was expected shortly. Consuming inquiry was keen, though business was at a standstill because shipments were held above prevailing ceilings. Imports of bark totaled 5,550 bales and 14,270 bags of extract at New York last week and were consigned against prior contracts.

For Late Market Developments, See Page 4

ALBUMENS

WAR FOOD ADMINISTRATION
ACHIEVEMENT

"A"

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ALBUMENS

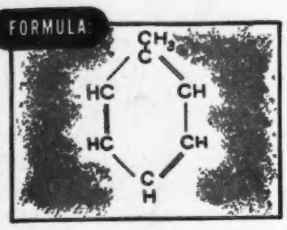
OPD—8-19-1946 47

TOLUOL

DEFINITION: The coal-tar product toluol, also called toluene and methylbenzene, is an aromatic hydrocarbon.

HISTORY: Discovered in 1838 by Pelletier and Walter in the condensation products from the manufacture of rosin-gas, and was called "retinaphtha." Afterwards Deville obtained it by destructive distillation of tolu balsam. The name toluol (toluene) was given to it by Berzelius. Mansfield found it in coal-tar.

FORMULA:



SOURCES: Toluol is a normal constituent of the light oil recovered in the distillation (coking) of coal. This source of toluol has, in peace times, been sufficient to meet civilian requirements.

CHARACTERISTICS: Colorless mobile liquid boiling at 110.6°C/760mm., having a density of 0.8812 at 4°C, and solidifying at –95° C. Insoluble in water, dissolves readily in alcoho' or ether.

USES Starting point in manufacture of dyestuff intermediates and medicinals. Diluent for lacquers and solvent for synthetic enamels.

GRADES: Nitration toluol; specific gravity .869-.873; boiling range 1°C including 110.6°C. Industrial pure toluol; specific gravity .864-.874; boiling range 2°C including 110.6°C. Approximate weight per gallon—7.24 lbs. Shipped in returnable 50-gallon drums, non-returnable 50-gallon steel barrels, tank cars, and by tank trucks in areas surrounding many industrial centers.

This is one of a series of advertisements presenting information on basic coal-tar chemicals

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Barrett

The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.
ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Solvent naphtha prices were lowered last week but no other revisions were recorded in prices of basic coaltar chemicals. Consuming demand was active with a tendency to increase. Steel production was at a new high since the coal strike at 90.3 percent and indicated a larger output of coaltar. Plant production of coaltar chemicals is not at capacity because of labor difficulties and delays in replacing plant machinery Aside from toluol and possibly benzol, it was difficult to locate stocks available for prompt shipment. No easement could be noted in the supply of creosote oil or cresylic acid. Both grades of naphthalene were exceedingly tight regardless of the closed plant of a large consumer of crude. Synthetic phenol production continued off and the market remained definitely tight. Short stocks of pyridin were reported and there was little indeed that could be construed as favorable regarding the overall supply.

Distribution of some of the intermediates appeared broader but the general market revealed shortages with practically no material available for additional requirements. Orthodichlorobenzine developed an exceedingly tight condition under a heavy consuming demand.

Steel operations for the week beginning August 12 were scheduled at 90.3 percent of ingot capacity, compared with 89 percent in the preceding week, according to the American Iron and Steel Institute. A month ago the indicated rate was 87.9 percent. The present schedule is equivalent to the production 1,568,500 net tons of steel ingots and castings, compared with 1,568,500 tons for the preceding week and 1,511,100 tons for the corresponding week in 1945.

Basic Products

Benzol—Shipments of this material have shown improvement although large consumers are not getting all the stock they require. Some export business has been placed and it is stated considerable more could be booked if supplies were available. The general market held a fair degree of balance with the price tendency firm.

Coaltar—Production sold heavily on contract with no indication of easement in demand. Supply position definitely tight.

Cresote Oil—No betterment in the supply situation could be noted. Demand from various branches of the wood processing industry has kept considerably ahead of production and the market situation has not relaxed from its former tight condition.

Cresylic Acid—Buying conditions have not improved during the past week. Importations were larger, the total amounting to 1452 drums. Domestic production has continued insufficient to meet the current consuming demand and the market holds the same unbalanced position formerly noted.

Naphthalene—Both crude and refined have remained exceedingly tight. According to trade reports, some easement in demand was thought possible by the recent closing down of a large producer of phthalic anhydride but so far no visible falling off in demand has taken place.

Phenol—Supply situation appeared to be getting tighter with production of synthetic cutback and demand increasing. Pressure for shipments has been felt by plants operating.

Solvent Naphtha—Prices have been lowered to the same level as industrial xylol. Current quotations are 27c a gallon in drums, carlots and 22 in tankcars freight allowed East of Omaha. Bureau of Mines placed June production at 24,779 gallons of refined light solvent and 263,370 gallons of crude heavy solvent. The former was up 37.3 percent and the latter increased 79.8 percent over the May output. Stocks of refined light at the close of June were 50,676 gallons and 230,758 gallons of heavy crude solvent. Increases over May were 9.3 percent and 31.5 percent respectively.

Toluol—Selling pressure was not emphasized last week. Material appeared to move more freely at the recent decline. There was sufficient stock available to meet requirements promptly.

Xylol—Some material moved out at the late decline but coaltar xylol was not in free supply and the situation had the appearance of being as tight as before the price revision was announced.

Chicago, Aug. 16—The coaltar bases market was quiet. Inquiry was along lines indicating a continuing fair amount of interest. Benzol remained firm. Ruling prices exclusive of tax were: Benzol, pure, in tankcars, freight allowed 15c. per gallon; industrial xylol, same basis, 22c.; 10-degree xylol, same basis, 29c., nominal; 2-degree xylol, same basis, 22c.; solvent naphtha, same basis, 22c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Although some tight supply spots have been occasionally uncovered, the trend of these solvents appears to be toward betterment. While the benzol situation has permited a freer production of cyclohexane, the stingency in phenol has tended to check progress in a free production of cyclohexanol. The manufacture of methylcylohexane has not been hindered by any shortage of toluol. Demand while fair has not been of an urgent character.

Coaltar Acids

Anthranilic — Continued short with more demand than supply at present. Production is heavily sold ahead with producers not eager for additional business until the market is brought into a better state of balance.

Cleve's — Producers endeavoring to meet the essential requirements of regular consumers. Market position tight.

Fumaric—No indication of easement in buying conditions at present. Demand heavy for synthetic resins and shipments are behind schedule. Requirements being fed entirely from production.

Laurent's — Regular consumers receiving shipments. Current production not sufficient to build up inventories.

Maleic — Absence of inventories leaves consumers dependent on production. Demand for synthetic resins and protective coatings heavy and unsatisfied.

Malic—Output finding a steady outlet mostly to regular consumers. Short stocks held the market position tight.

Other Intermediates

Anilin—Steady miscellaneous demand of sizable dimensions has prevented any material increase in the inventory situation. Intermediates such as dimethylanilin and diphenylamine are absorbing a lot of current production while demand for rubber chemicals, plastics and synthetic resins appears to be increasing. Buying conditions are tight with an active export inquiry unsatisfied.

Dinitrobenzene—Distribution said to be somewhat better although there

Market Trends

Prices Advanced

None

Prices Reduced

Solvent naphtha, 4c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.7	128.0	128.6	129.2

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Aug. 5 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	978,880
Ammonia sulphate	lbs.	25,347,840
Benzol	gals.	3,199,240
Coaltar	gals.	11,849,600
Creosote oil	gals.	659,456
Naphthalene	lbs.	15,662,080
Phenol	lbs.	185,472
Toluol	gals.	638,848
Xylol	gals.	144,256

For Late Market Developments, See Page 4

Toluol

nitration grade * industrial grade

A KOPPERS PRODUCT

uses: LACQUERS VARNISHES
ENAMELS QUICK DRYING CEMENTS
ROTOGRAVURE INKS
DEGREASING AGENTS DYES
PHARMACEUTICALS SYNTHETIC PERFUMES

ALSO BENZOL & XYLOL

KOPPERS COMPANY, INC.
TAR & CHEMICAL DIVISION, PITTSBURGH 19, PA.

was no noticeable improvement in buying conditions.

Dinitrophenol—Stringency in phenol has restricted progress in the restoration of inventories. Short stocks have kept the market's position tight.

Orthodichlorobenzene — Production has not been able to keep up with demand and inventories have decreased sharply. The market closed in a definitely tight condition.

Phthalic Anhydride — Cutback in production has tended to create a tighter supply situation while consuming demand has continued exceedingly active. Most of current output is being moved rapidly to satisfy requirements for synthetic resins, ester-type plasticizers and lacquers.

Coaltar Colors

Production while showing improvement has not been of a character to make any unusual enlargement of inventories. Direct dyes while in steady demand for cotton fabrics are not plentiful because the basic material, benzidin, has not entirely evaded the stringent stage. The basic dye producers are getting a fair amount of muriatic acid and zinc chloride but the tight supply situation in sulphide of soda has not been encouraging to the increased manufacture of the sulphur dye classification. Production of the acid dyes is regulated mostly by the amount of anilin sulphonilic acid and other intermediates available.

Trade Briefs

Textile Research Institute announced its eleventh fellowship, "The Textile Research Institute Henry Eyring Fellowship in Scientific Research."

Alexander Smith & Sons Company, has appointed A. G. Ashcroft and O. P. Beckwith in charge of the company's research and product engineering laboratories.

Chicopee Manufacturing Corporation, textile manufacturer, Cordelia, Ga., has elected Harry H. Purvis a vice-president. He also is general manager of the company's new plant at Cordelia.

U.S. Steel Names Wilby Vice-President

Arthur C. Wilby has been elected vice-president of the United States Steel Corporation. Since 1938 Mr. Wilby has been in charge of public relations for the company's subsidiaries in the Chicago district.

Morton Opens Own Offices in Boston

Martin S. Morton, former chief of the heavy chemicals and coaltars section of the Office of Price Administration, has opened offices in Boston as a manufacturers' and shippers' agent for industrial raw materials and chemicals. He was formerly New England representative for Adolphe Hurst & Co., New York.

Du Pont to Augment Research Facilities at Wilmington

E. I. du Pont de Nemours & Co. research laboratories in Wilmington, Del., will be expanded by the construction of a $17,000,000 center at nearby Henry Clay. Plans call for the conversion of the company's country clubhouse into a cafeteria for the increased personnel at the center which will occupy a portion of the club property.

Squibb Elects Van Vliet Vice-President and Treasurer

Earle R. Van Vliet has been elected vice-president and treasurer of E. R. Squibb & Sons, pharmaceutical manufacturer, New York. He succeeds Edward G. Lowry, jr., who has resigned as treasurer to become president of General Reinsurance Company, New York.

Chemical Salesmen to Golf

The Salesmen's Association of the American Chemical Industry will hold a golf tournament at the Plainfield Golf Club, Plainfield, N. J., August 21. Reservations are in charge of Jack Seidler, of Whittaker, Clark & Daniels, Inc., 260 West Broadway, New York 13, N. Y. The date was originally scheduled for August 20.

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BENZOL (nitration, industrial, motors)

TOLUOL (nitration and industrial)

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CRUDE HEAVY SOLVENT NAPHTHA

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CRUDE PYRIDINE

Available from plants at Sparrows Point, Md., Lackawanna, N. Y., Bethlehem and Johnstown, Pa. Nearby points served by convenient tank-wagon delivery.

Other Bethlehem products for the chemical industry:

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For particulars write or call Bethlehem Steel Company, Bethlehem, Pa., or nearest district office.

BETHLEHEM STEEL

Fertilizer Tag Sales: July

	Equivalent tons		
	July 1946	1945	Jan.-July 1946
Virginia	24,299	27,152	453,995
N. Carolina	25,438	7,750	1,205,586
S. Carolina	21,118	12,440	674,561
Georgia	15,100	15,503	918,948
Florida	52,773	44,568	571,726
Alabama	22,750	12,500	700,500
Tennessee	16,770	5,326	246,425
Arkansas	9,550	8,250	126,100
Louisiana	6,302	3,050	136,613
Texas	11,719	3,700	216,801
Oklahoma	2,500	....	32,798
Total South	208,319	140,239	5,284,053
Indiana	95,925	74,705	386,658
Illinois	22,975	11,350	188,483
Kentucky	10,600	9,450	240,961
Missouri	14,718	4,785	174,471
Kansas	15,000	3,140	33,227
Total Midwest	159,218	103,430	1,023,800
Grand Total	367,537	243,669	6,307,853

Dinitrotoluene Offered For Sale by WAA

The War Assets Administration is offering for sale approximately 8,500,000 pounds of dinitrotoluene. The quantities are located at Birmingham, Ala., 600,055 pounds; Chicago, Ill., 5,000,000 pounds; Kansas City, Mo., 921,875 pounds; Louisville, Ky., 471,825 pounds; Nashville, Tenn., 993,560 pounds; Richmond, Va., 530,000 pounds. Bids will be accepted until August 21. Address bids to the nearest Regional Office having your inventory.

Hexachlorethane Offered For Sale by WAA

The War Assets Administration is offering for sale approximately 7,3,000,000 pounds of hexachloroethane. The quantities are located at Birmingham, Ala., 4,067,710 pounds; Cleveland, O., 15,030 pounds; Little Rock, Ark., 1,040,990 pounds; Richmond, Va., 2,179,810 pounds. The bids will be accepted until August 28th. Address bids to the nearest Regional Office having your inventory.

Trade Briefs

Mallinckrodt Chemical Works, St. Louis, has purchased for $60,000 two pieces of property in the vicinity of its plant in that city.

Tinplate allocations for export for the fourth quarter have been fixed at 136,000 tons, the Civilian Production Administration has announced.

National Alkeylate Corporation, manufacturer of chemicals, St. Louis, has leased a new factory building in that city for a term of ten years.

INDUSTRIAL and REAGENT CHEMICALS

COAL TAR PRODUCTS

PHONE ATLANTIC 2290

CHEMICAL SALES CORP. DIVISION

PITTSBURGH COKE & CHEMICAL CO.

GRANT BUILDING PITTSBURGH 30, PA.

EXPORTERS

Dependable Service!

INQUIRIES INVITED

BENZOL TOLUOL XYLOL ALL GRADES

SEND FOR OUR NEW SPECIFICATION BOOK!

The COASTWISE PETROLEUM Co.

CARLOAD OR CARGO

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Cable Address: "FALLODEN"

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Benzol, Industrial 90%
Benzol, Motor
Toluol, Nitration Pure
Toluol, Industrial Pure
Xylol, Nitration
Xylol, Five Degree
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Xylol, Industrial
Solvent Naphtha
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Refined Solvents

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Phenol, Technical 90%
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NAPHTHALENE
Crude 74° & 78° C.M.P.
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Chicago, Illinois • Detroit, Michigan • Duluth, Minnesota

Agricultural Chemicals

Basic fertilizer chemicals have continued in heavy demand with as much material as possible being shipped from production. Boxcar shortage has kept the movement rather spotty. Allocations of potash for agriculture have not been announced to date. Pressure for shipments of sulphate of ammonia, superphosphate and nitrate of soda has prevented the building up of inventories. The insecticide market revealed an advance in the price of paris green and standard lead arsenate paste. Basic lead arsenate powder was also slightly higher.

Total supply of normal superphosphate in June was at the lowest point for the last three years reflecting the low level of stocks at the end of May. Stocks at the end of June showed a 29 percent increase over last month as production exceeded total disposition for the first time since August 1945. However, June production and disposition continued the seasonal decline to levels slightly below those of June, 1945, with disposition showing the greater drop, according to the Bureau of the Census.

Nitrogenates

Ammonia Nitrate—June production showed a substantial increase over May. The total registered 62,445 tons against 35,597 tons in May, according to the Bureau of the Census.

Ammonia Sulphate—Coke-oven byproduct production in June was 108,079,455 pounds, compared with 63,718,096 pounds in the preceding month. Stocks at the end of June were 50,711,210 pounds, compared with 31,897,104 pounds on May 31. Sales in June were 89,076,969 pounds, an increase of 45.8 percent over May. Shipments are being made against contracts with demand active both for home and export.

Bones—Ash, flour, and phosphate of bones, industrial and packing-house offal, and country and consumable bones, are prohibited exportation from Uruguay until further notice by a decree dated June 11, 1946.

Bone Meal—Trading relatively quiet and tight, although occasional sales to feeders at the recent advance. Raw bone meal, 4½ percent ammonia test, 50 percent phosphate was nominally higher at $50 a ton Eastern works and $55 a ton in the West.

Dried Blood—There appeared to be a rather wide differential between buyers' and sellers' views which kept actual business at a relatively low volume. Tankage was about in the same condition. Imports last week amounted to 906 bags and 6,498 bags of liver tankage and 1,458 bags of dried blood from South America.

Fish Scrap—According to reports from Baltimore, the recent advance in prices brought about the heaviest operations in Chesapeake Bay in the past 50 years. The restoration of OPA ceilings is said to have severely curtailed fishing operations and resulted in temporarily disorganizing production. Meanwhile, shipments to the Middlewest for conversion into meal have been greatly restricted.

Soda Nitrate—Consuming demand continued active with all material possible being shipped for agricultural and industrial requirements. Prices were firm but unchanged with the market position tight.

Phosphates

Phosphate Rock—Production remained heavily sold ahead with no indication of nearby easement in buying conditions. Latest export figures available, showed a decline to 45,130 tons in April as the result of smaller shipments of Florida hard-rock and other grades. The tonnage of Florida land-pebble exported, however, recorded an increase.

Superphosphate—According to the Bureau of the Census, supplies of normal superphosphate in June were at the lowest level for the last three years. Stocks on June 30 were 523,490 tons, compared with 730,062 for the same date in 1945. Supplies of concentrated were higher at 45,767 tons at the end of June against 28,602 tons on June 30, 1945. Production of normal in June was 565,670 tons against 614,922 tons for the corresponding date in 1945. Output of concentrated was 22,910 tons, compared with 22,053 tons in June, 1945.

Market Trends

Prices Advanced

Bone meal, raw, 4½ percent ammonia, $12.50 per ton.
Lead arsenate, basic powder, ¼c. per lb.
Lead arsenate paste, standard, 1c. per lb.
Paris green, 1c. per lb.

Prices Reduced

None.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.1	72.1	71.8	71.8

(For Current Prices see Page 9)

Potashes

Demand from mixers is heavy and shipments are being made from production although allocations for agriculture have not been announced. The movement of potash has been somewhat irregular owing to the uncertainty of securing boxcars.

Production at potash mines in Alsace, France, declined slightly in April 1946 to 45,854 metric tons of muriate from 48,755 tons in March, according to foreign advices. Exports dropped sharply to 12,466 tons in April from 30,965 in March.

Markets at Other Centers

Chicago, Aug. 12.—Business in fertilizer materials was quiet, with buyers continuing to seek stocks for their nearby needs. Inquiry was good for blood and tankage. Offerings at current prices were not large. Tone generally was good in the bone materials market.

Dried Blood—Principal grade held at $8 per unit of protein. Tankage—Feeding grade, $7.75 to $8; liquid stick, tankcars, $4.50; hoof meal, $8.50 to $9. Bone Materials—Ground, steamed bone, 3 and 50 percent, $50 to $52 per ton, cattle jaws, skulls and knuckles, $44 to $45; dry, rendered tankage, hard pressed, $1.50 per unit of protein; 50 percent meat and bone scrap, $100 to $105.

Insecticides

Slightly higher ceiling prices for basic lead arsenate have been established by O.P.A. Standard lead arsenate paste is one cent per pound higher and paris green has advanced 1c. per pound. The revision was made possible through an amendment to RMPR-315 and became effective August 12.

Production of basic lead arsenate in June was down sharply from May. The total registered 5,091,000 pounds in June against a revised total of 7,810,000 pounds in the preceding month. Output of calcium arsenate in June was 4,116,000 pounds, compared with a revised total of 3,192,000 pounds in May, according to the Bureau of the Census.

Hydrated and spray lime prices were higher at some points. This was also true of chemical or quick lime with prices unchanged to $1.00 a ton above former levels.

Kenya's pyrethrum crop reached a high in 1945 of 7,409 long tons (2,240 pounds), according to the pyrethrum board of Kenya. Production was 13 percent greater than the previous high of 6,547 tons in 1944. The British Ministry of Supply will purchase the 1946 crop at the same prices as in 1945—approximately 30c. per pound, top grade. The extract plant at Nairobi, originally built to supply military needs, may be taken over by a private firm.

Sulphur and Pyrites

Production of native sulphur was maintained during the second quarter of 1946, and output for the first half of the year was higher than any of the comparable six-month periods since this canvass began in 1940, according to the Bureau of Mines. Mine shipments dropped in May and June from the year's high established in April; stocks were but little changed.

June production amounted to 304,472 long tons against 305,330 tons in May. Stocks at the end of June amounted to 3,861,525 tons, compared with 3,873,962 tons on May 31. Shipments of pyrites are going forward to regular consumers. Prices were unchanged.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Readjustment of prices of drugs and fine chemicals is in the hands of the Office of Price Administration which body has under its consideration such applications for price advances as may have already been filed with that body. And until OPA does move, schedules as a whole are likely to remain unchanged. About the only price move sellers could make of their own volition would be declines—and chemical producers are not generally thinking in terms of price shrinkages. New and higher prices were set on silver cyanide and nitrate by permission of OPA, and makers of amyl acetate from pentane also upped quotations.

Demand was generally very active, oftentimes being beyond the ability of producers to supply promptly. The coal strike last May and June hurt production more than was generally indicated at that time and information coming to hand steadily reveals a steadily increasing number of materials that simply cannot be obtained promptly from their makers. Camphor of synthetic origin was noted in this category last week. It is believed that an appeal for a price advance is now before OPA.

Quicksilver and mercurial derivatives of that metal continued at unchanged prices. A further import of metal from Mexico was noted but none arrived from Italy. Plans are reported to be afoot at Almaden, Spain, to replace shaft and chamber furnaces with modern equipment. Spanish production in 1945 was said to have been 40,089 flasks, which compared with 34,200 flasks in 1944. The exports to the United States in 1945 were said to have been 38,150 flasks, while 16,000 flasks went to the United Kingdom.

Codliver oil held firm with ample stocks protecting domestic needs until the next crops. Adeps lanae seemed plentiful in a competitive market. Menthol was steady but not very active. Amyl acetate made from fusel oil continued very scarce.

Acetanilide—Available in moderate quantities and maintained firmly as to price throughout the past week. No surplus of stocks was in hand nor in sight.

Acetoacetanilide—Demand was very active and substantial engagements stand on the books of the leading producers. Prices were unchanged and appeared to be very firm in all quarters.

Acid, Benzoic—Demand was routine but exceptionally steady. Stocks were sufficient to keep consumers fairly well supplied with prompt needs, and deliveries were on a fairly satisfactory basis.

Acid, Camphoric—The quarters usually supplying the bulk of this article failed to report any merchandise in hand last week and also failed to quote even nominal quotations.

Acid, Gallic—Very firm. Demand had broad angles and was maintained steadily on the basis of a price structure declared to be firm in all respects.

Acid, Hydrobromic — This article, according to its makers, reflected the steady price position of raw materials and also had an exceptionally firm undertone throughout the past week. Demand was along routine lines but was better than fair.

Acid, Mandelic—Producers reported steady market undertones and experienced a demand comparing favorably with that current in the recent past. Supplies appeared adequate to care for any reasonable expansion in consumption.

Acid, Nicotinic—Steadiness was the main characteristic of prices during the past week. No further decline has come in the prevailing schedule, and demand was said to be a substantial support to present quotations.

Acid, Tartaric — Manufacturers of this acid received 2,276 bags of crude tartar from Bordeaux, France, during the past week. Thus was the increase in available supplies being maintained at a cost fairly attractive to the processors. Demand for acid continued to be very good, and the price schedule lacked quotable change.

Adeps Lanae—Supplies continued to be freely available and the ready acceptance and shipments of orders prevailed under conditions favorable to most manufacturing consumers.

Market Trends

Prices Advanced

Amyl acetate, ex pentane, 1c. per lb.
Silver nitrate, 11½c. per oz.
cyanide, 33.36c. per oz.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
219.4	219.4	219.5	210.4

(*For Current Prices see Page 9*)

Alcohol—Cuba has agreed to furnish the United States a minimum of 115,000,000 gallons of blackstrap molasses from the 1946 crop, and 165,000,000 from the 1947 crop. The price is determined by sugar content and the basic price is 2½c. per pound of total sugar content (average 13.6c. per gallon). The average total sugar content will be around 5½ pounds for this blackstrap.

The United States has agreed to purchase 190 proof ethyl alcohol from Cuba, with 10,000,000 gallons to be delivered not later than December 31, 1946, and 20,000,000 additional gallons to be delivered later than December 31, 1947, and 10,000,000 additional gallons to be delivered not later than June 30, 1948.

For each 2.7 gallons of blackstrap molasses which may fail to be delivered, the United States will purchase one less gallon of alcohol. The price is 65c. per gallon of 190 proof alcohol, with discounts on lower proofs or other undesirable characteristics.

Amyl Acetate—The price of material produced from pentane was advanced 1c. per pound during the past week. The quotations thus established were:—Tanks, 15½c. per pound; drums, carlots, 16½c.; less carlots, 17½c. Supplies of material made from fusel oil were reported by its manufacturing consumers to be exceedingly short; sufficiently so as to have sharply reduced production of their products based on the fusel-oil article.

Argols—Leading importers of this material reported that a considerable amount of price stability has developed in the foreign markets now supplying argols to the United States. The price is reported to range $35 to $36 per pound.

Atropine—Moderation in supply and fairly high production cost combine to keep this article in exceptionally firm price position. Virtually no competition exists in the market at this time.

Bismuth—Metal remained at the recent advance to $1.69 per pound, but the price schedule on salts remained as yet unchanged. No word concerning the future of such quotations has come from OPA.

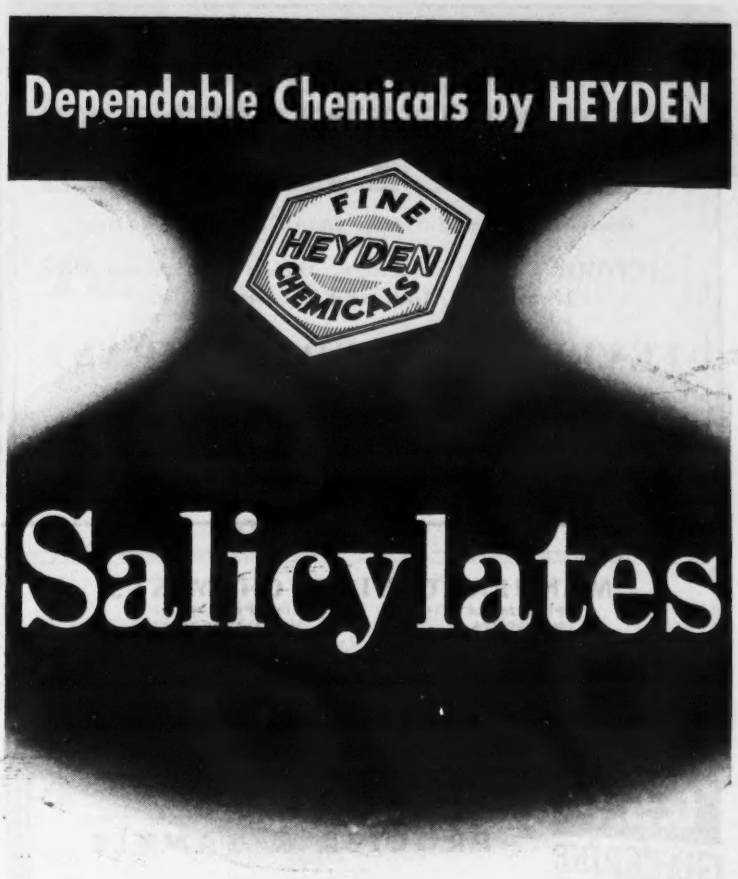
Brucine—Potential buyers found it rather difficult to secure prompt deliveries from the domestic manufacturers. Moderate supplies of imported material were the mainstay of consumers forced to buy. Prices held unchanged, with goods in the outside market commanding a 2c. premium over the domestic quotation.

Cadmium — Salts remained unchanged in prices, the recent rise in the cost of cadmium metal having yet to be reflected in the quotations.

Camphor—OPA has said nothing regarding higher prices on this article and, in this market, it is not definitely known that the manufacturer has actually filed a request for such prices. Meanwhile, the supply situation continued very tight. So much production was lost last May and June during the coal strike that the distributors are now way behind in meeting their obligations. London has been reported offering some "Japanese" camphor for sale. Of course, this Formosan camphor is now controlled by the Chinese, who have recovered the island formerly called Taiwan by the Chinese.

Castor Oil—Production in this country is virtually at a standstill because of labor troubles. This means that contract obligations are being deferred on a wide basis and that future production will have difficulty in catching up with such obligations—let

For Late Market Developments, See Page 4



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Chicago, Aug. 14.—Castor oil prices are:—Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots; 15¾c., drums less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Codliver Oil—Holding very firm as to spot price, exactly as foreign market prices are being well and thoroughly maintained. Stocks in the United States are expected to cover domestic needs between now and another crop, but there is no large surplus and care will be exercised in the disposal of goods that all consumers may get a share. During the past week, 175 drums arrived from Bergen, Norway, and 22 barrels came from Gothenburg, Sweden.

Corn Syrup—Under price control and holding at levels unchanged since the producers recently rolled back quotations after OPA again became effective. The demand far exceeds supply. An attempt to get a single can of syrup was made in forty small New Jersey town retail stores and a total blank was drawn, together with the statement that the merchants had not seen a can of syrup for months on end.

Fishliver Oils—Holding hard and fast at strong price levels under demand said to exceed supply. During the past week, 30 drums of shark livers reached here from Havana, Cuba, and one barrel came from Tampico, Mexico.

Glycerin—Old ceiling prices were still in effect and the situation continued to be unsettled and mixed with the producers not being in an entirely enviable position. Manufacturing consumers with foreign connections continued to scour the entire world for supplies, and during the past week 50 drums reached here from Antwerp, Belgium, and 189 drums came in from Montevideo, Uruguay.

Chicago, Aug. 14.—Glycerin prices are:—C.p., tanks 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure 18c. per pound, tankcars, 18½c., drums, carlots; 18¾c., drums, less than carlots.

Menthol—The spot market was relatively quiet. Prices appeared to be very steady and also to line up with replacement prices prevailing in the Brazilian market. During the past week 125 cases arrived from Santos.

Mercurials—The entire schedule remained intact and market talk did not suggest an early change in prevailing prices. The raw material is much cheaper today than it was when the schedule was established. Demand was routine but up to expectations.

Methanol—The backlog of orders grew during the coal strike and producers' activities are directed toward getting back to an even position so far as contract obligations are concerned. The next Bureau of the Census report after the coal strike ended will likely show mounting production. The need continued in high volume.

Milk Powder—Holding very firm and said to be worth more money than is now obtained by the producers.

Quicksilver—Prices held free from further change and the market appeared to be definitely steady. Demand was about normal in terms of that in recent weeks. An arrival of 300 flasks from Vera Cruz, Mexico, was noted during the past week.

Silver Salts—Prices for silver nitrate and cyanide have been established under the pricing formula granted the producers by OPA a week ago. Cyanide is priced at 74.89c. per ounce. Nitrate is scheduled as follows:—2,500-ounce lots, 58¼c. per ounce; 1,000-ounce lots, 58½c.; 500-ounce lots, 58¾c.; single ounce lots, 59c. To this writing, producers of neucleinate and proteinate have not worked out a new schedule of quotations.

Sugar—The base price for Cuban sugar of the 1946 crop is $3.67½ per hundred pounds. This price may be raised in three ways:—(1) by a decrease in duty on Cuban sugar; (2) through an increase above 4.865c. per pound in the U.S. ceiling price on raw sugar; (3) through an increase of 2 percent or more in the cost of food index or the cost of living index issued by the Bureau of Labor Statistics, Department of Labor; (4) through an increase in the price paid for Puerto Rican sugar, excluding payments made under the Sugar Act of 1937, as amended; and (5) through the purchase of substantial quantities of sugar by the United States from foreign nations other than Cuba at prices higher than the price paid Cuba. The base price for the 1947 crop will be the highest price paid in 1946, plus the same possible increase outlined above.

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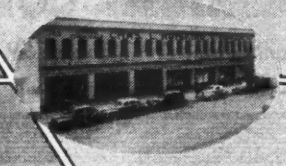

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NWDA Seeks Members In Latin America

In an attempt to foster better trade relations between the United States and Latin American neighbors, the National Wholesale Druggists Association has extended invitations to leading wholesale druggists of eighteen Latin American nations to accept associate memberships in the association's international section.

The invitations were prompted by the desire to stimulate interest in the drug trade with Latin America, especially among the wholesale druggists there, and to make NWDA research publication and other literature available to those nations.

Dibutyl Phthalate Wartime End-Uses Shown

Summaries of allocation data (based on chemical allocation records of the War Production Board) for dibutyl phthalate were prepared for the years 1943, 1944, and the first half of 1945. Over this period the yearly disappearance ranged between 36,000,000 and 60,000,000 pounds of dibutyl phthalate. Of the total material allocated over the two-and-one-half years, 71 percent was used for undistributable military end-uses, 3 percent was exported, and 26 percent was assigned to all other end-uses. Data for the 18-month period, January 1, 1944, to June 30, 1945 are summarized in the table given below. The data present wartime distribution with allocations permitted only for identifiable military uses and other essential requirements. Also quantities allocated vary indeterminately from actual consumption.

	Pounds	
	Jan. 1-June 30, 1945	Jan. 1-Dec. 31, 1944
Total allocation	30,406,000	47,702,000
Direct military*	20,868,000	37,279,000
Foreign	1,460,000	1,419,000
Other uses	8,078,000	8,904,000
Synthetic rubber	1,509,000	3,189,000
Insect repellents	3,635,000	77,000
Plastics	1,127,000	1,750,000
Lacquers	689,000	1,267,000
Cellophane	280,000	1,227,000
Adhesives	293,000	640,000
Photography	262,000	317,000
Textile coatings	68,000	177,000
Cable	85,000	140,000
Miscellaneous uses and orders	130,000	120,000

* End-use data not available.

Lehn & Fink Leases Space in New Building

The Lehn & Fink Products Corporation, New York has leased two floors and a store in an office building being erected at 445 Park avenue. The lease runs for twenty years and will involve an aggregate rent of $3,000,000.

The building will be completed May 1, 1947, at which time the pharmaceutical company will move from 683 fifth avenue, its present quarters, which it has occupied since 1928.

Winthrop Chemical Opens New Seattle Office

The Winthrop Chemical Company has opened a new office in Seattle, with Charles C. Wood in charge. The company also will open an office in Memphis, Tenn., on September 1, which will be under the direction of Major Charles J. Loverde.

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Barbiturates Control Ordered in New Jersey

The New Jersey Board of Pharmacy has announced a regulation prohibiting the refilling of prescriptions for barbiturates. Persons holding prescriptions for such drugs will have them filled only once and will need new prescriptions for a second supply. The regulation was promulgated after death certificates revealed twenty-nine deaths from barbiturate poisoning in 1945.

Health Improvement Plans For Factory Workers Studied

Plans for the improvement of the health and nutrition of the nation's factory employees were considered by the committee on nutrition of industrial workers of the National Research Council during its first peacetime meeting in the Biltmore hotel, New York.

Robert S. Goodhart, chairman of the group, stated that the committee will stimulate research into the nutritional problems of the workers as its principal aim, sponsor and encourage studies by the National Institute of Health and well-known universities to prevent poisoning of workers by some of the newer chemicals, and be available for consultation on feeding problems which may arise in industrial establishments.

The committee is comprised of representatives of medicine, chemistry and biological chemistry, as well as industrial organizations and public health groups in this country and Canada.

P.A. Adds Ad Advisers

The Proprietary Association has added to its advisory committee on advertising, heretofore composed of representatives of manufacturer members, four representatives of advertising agencies. These are Louis Brockway, of Young & Rubicam; Richard Compton; Ben Duffy, of Batten, Barton, Durstine & Osborn; and William Resor, of the J. Walter Thompson Company.

Trade Briefs

White Laboratories, manufacturer of pharmaceutical supplies, has purchased 125 acres of land in Kenilworth, N. J., for expansion of its plant.

Dr. Abram E. Siesser has joined Bristol Laboratories, Inc., pharmaceutical division at Syracuse, where he has been made supervisor of compounding. He was formerly chief research chemist in the pharmaceutical research and development laboratory at Burroughs-Wellcome & Co., Tuckahoe.

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(*edible casein hydrolysate*)
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(*intermediate*)

Write for the new price list No. 11 (dated August 1st.) listing over 80 other chemicals.

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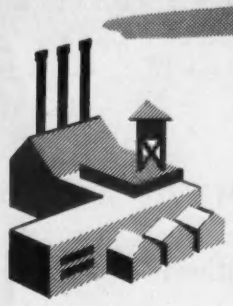

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We are now producing from Carragheen two new improved types of gelose. One of them should be the answer to your emulsifying, suspending, thickening or stabilizing problems.

KRIM-KO GEL is an all-purpose colloid-assistant. Properly used, it has been proved effective in many of the most exacting food, pharmaceutical and industrial applications.

CARRAGAR is an agar-type gelatin which forms tender, fruit-like gels over a wide pH range. It does not require acidulation to produce desired results.

Send for free liberal working samples for experimental use.

KRIM-KO Company

SEAPLANT PRODUCTS DIVISION
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Parcel Post Restrictions Eased

The Post Office Department announced last week that the provisions still in force of order No. 17471, dated April 20, 1942, entitled "Limits of Weight and Dimensions of Mail for Delivery Outside the United States," have been removed.

As a result of the removal of the limitations imposed by the above-mentioned order, parcel post packages may be accepted for mailing to foreign countries without restriction as to frequency of mailing subject to limits of weight indicated in Part II of the 1941 Postal Guide as amended, with the following exceptions, and further information may be obtained at your local post office.

Andorra—Service suspended.

Austria—The weight limit of parcels is 11 pounds. Only one parcel per week may be sent by or on behalf of the same sender to or for the same addressee. For others conditions applicable consult your local post office.

Bulgaria—The weight limit of parcels is 22 pounds.

China—The weight limit of parcels is 11 pounds. The service extends to all of China except Manchuria and the Provinces of Shansi, Suiyuan and Chahar.

Dodecanese Islands—The weight limit of parcels is 11 pounds. Only one parcel may be sent each 2 weeks from the same sender to the same addressee.

Eritrea—The weight limit of parcels is 11 pounds.

France—The weight limit of parcels is 11 pounds. Only one parcel per week may be sent by or on behalf of the same sender to or for the same addressee.

Germany—Service restricted to gift parcels addressed to American Zone, except the American Sector of Berlin. The weight limit is 11 pounds. Only one parcel per week may be sent by or on behalf of the same sender to or for the same addressee. For other conditions applicable consult your local post office.

Great Britain and Northern Ireland—Ordinary and insured unsolicited gift parcels are limited to 11 pounds in weight. Gift parcels may not contain more than 7 pounds of foodstuffs or more than 2 pounds of any one kind of foodstuff, and may not be sent more frequently than once a month to the same addressee. Parcels not sent as unsolicited gifts are accepted up to 22 pounds in weight, and without restriction as to frequency of mailing, subject to certain conditions which information may be obtained at your local post office.

Greece—Weight of parcels is limited to 11 pounds. Only one parcel may be sent each 2 weeks from the same sender to the same addressee.

Italian Somaliland—Service suspended.

Italy—Service restricted to gift parcels not exceeding 11 pounds in weight. Only one parcel per week may be sent by or on behalf of the same sender to or for the same addressee.

Japan—No service.

Korea—Service restricted to gift parcels not exceeding 11 pounds in weight. Only one parcel per week may be sent by or on behalf of the same sender to or for the same addressee. For other conditions applicable consult your local post office.

Libya—Service suspended.

Netherlands Indies—Service restricted to gift parcels not exceeding 11 pounds in weight. For other conditions applicable consult your local post office.

Philippines—Parcels are subject to certain weight limitations and restrictions as to frequency of mailing which information may be obtained from your local post office.

Vatican City State—Service restricted to gift parcels not exceeding 11 pounds in weight. Only one parcel per week may be sent by or on behalf of the same sender to or for the same addressee.

The export control regulations of the Office of International Trade, Department of Commerce, Washington 25, D. C., are applicable to parcels for delivery in foreign countries.

The parcel post rates applicable to many countries have been changed and information in this respect, also any other information desired, should be obtained from your local post office.

'Benzedrine' Infringement Ruled

The United States Court of Appeals for the Third Circuit has sustained United States Letters Patent No. 1,879,003, owned by Smith, Kline & French Laboratories, Philadelphia, covering amphetamine sulphate.

The decision came in a lawsuit involving patent infringement and unfair competition brought by Smith, Kline & French, in which it was charged that Clark & Clark, Wenonah, N. J., had been, for some time past, manufacturing and selling amphetamine sulphate, including obesity tablets and imitations of Smith, Kline & French Laboratories' 'Benzedrine' tablets—all in infringement of United States Letters Patent No. 1,879,003.

This decision upholds the previous decision of the Federal district court for the District of New Jersey, appealed by Clark & Clark, which also found the defendants guilty on both counts.

An Official spokesman for Smith, Kline & French Laboratories stated that in view of these two decisions, immediate legal action would be taken against anyone selling or dispensing any amphetamine sulphate other than 'Benzedrine' and 'Dexedrine.'

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Chemical Workers Weekly Earnings Up

Weekly earnings of factory workers in chemical and related fields showed a light increase in May, as compared with April. A breakdown of the weekly earnings for the chemical and allied industries follows:—

Average Earnings

	Weekly		
	May, 1946	Apr., 1946	Mar., 1946
Chemical and allied products	$43.36	$43.28	$42.94
Ammunition	40.67	42.76	44.01
Chemicals	50.43	50.58	50.25
Cottonseed oil	29.78	29.53	29.73
Drugs, medicines, insecticides	38.13	37.82	38.29
Explosives, safety fuses	49.85	47.24	47.73
Fertilizers	31.63	31.87	31.93
Paints and varnishes	45.94	46.56	45.89
Petroleum refining	....	....	....
Rayon, allied products	40.43	40.18	39.53
Soaps	46.33	46.39	46.43

Penicillin July Exports Totaled $10,000,000

OPD Washington Bureau

Approval of nearly $10,000,000 worth of penicillin for export from the United States during July was announced last week by the Office of International Trade, Department of Commerce. Double the anticipated July sales in the United States, the amount was approximately ten times the export sale of all drugs and medicines from the United States in an average month of 1938, OIT said.

The Civilian Production Administration allocated 1,350,000,000 units of injectible penicillin for export. This is equivalent to 13,350,000 vials of 100,000 units each, 4,500,000 of which were sent to liberated areas. Before approving the large July export allocation, the CPA made certain that stocks set aside for domestic markets were adequate.

The dollar-value of all penicillin products, approved for export in July, was estimated at $9,878,899.

Ethyleneglycol Use Statistics: 1943-45

Annual consumption of ethyleneglycol ranged between 190,000,000 pounds and 200,000,000 pounds during 1943 and 1944, and the first half of 1945, based on the allocation records of the War Production Board.

Of the total material allocated over the two-and-one-half years, approximately 14 percent was exported, 64 percent was used for antifreeze mixtures, 7 percent for the manufacture of explosives, 5 percent each for cellophane and for coolants, 2 percent each for the manufacture of chemicals and for hydraulic brake fluids, and 1 percent for all other uses.

Allocation data for the calendar year 1944 are given in the table below. These data present wartime distribution with allocations permitted only for identifiable military uses and other essential requirements. Also, quantities allocated vary indeterminately from actual consumption. In this instance, estimated consumption agrees very closely with the allocation data presented.

	Pounds
Total allocations	189,109,000
Export[1]	32,860,000
Other uses	156,319,000
Antifreeze[2]	119,874,000
Explosives	14,843,000
Cellophane	6,650,000
Coolants	6,192,000
Chemicals and synthetic resins	3,826,000
Hydraulic brake fluid[3]	3,202,000
Radio condenser fluid	538,000
Textiles and rayon	140,000
Miscellaneous uses and small orders[4]	1,054,000

[1] Excludes Canada; see note [2].
[2] Includes military requirements plus a small amount for undesignated purposes and all civilian and Canadian antifreeze assignments.
[3] Includes de-icing preparations.
[4] Includes ethylene glycol used for drugs and cosmetics; for wood stains, molding-sand binders, cutting oils, and gas and air dehydration.

Carbo Fung Chemical Laboratory, Los Angeles, will build a factory in Whittier, Cal.

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ATLAS *Non-Ionic Emulsifiers:*
- ✓ Neutral and versatile
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- ✓ Compatible with many surface active agents of the ionic type

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- WILSON'S MIXTURE BLUE
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- MERCURIC IODIDE RED
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- PHENYL MERCURY COMPOUNDS
- WHITE PRECIPITATE
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- CALOMEL

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WOODRIDGE . . . NEW JERSEY
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OPD—8-19-1946 60

A MESSAGE to DIRECTORS of RESEARCH about

BY PENICK

Ouabain, USP has been produced in the Penick Laboratories for a number of years, but heretofore in relatively small amounts because of its limited use as a reference standard.

Ouabain is highly valued abroad as a cardio-active drug and now the U. S. Pharmacopoeia XII contains a monograph of considerable length describing Ouabain and its use intravenously.

The potentialities of Ouabain are many and increased production by Penick, at lowered cost, makes it more attractive as an item for research and study, possibly leading to the development of new marketable products.

Write us for additional reference data.

S.B. PENICK & COMPANY

50 CHURCH STREET
NEW YORK 7, N. Y.
Telephone: COrtlandt 7-1970

735 W. DIVISION STREET
CHICAGO 10, ILL.
Telephone: MOHawk 5651

Botanical Drugs, Spices, Gums

Prices for Fall and Winter sales of botanical drugs are gradually being revised to create price levels in line with costs as thus far defined either by purchases of new crop domestic botanicals or by the values already paid for such imported European botanics as have been brought to this country to this time.

The result was that numerous price changes developed during the past week and the major part thereof were reductions. Some quarters reported that their inventories of domestic botanicals are somewhat larger than had seemed likely when efforts to increase collections actually got under way. The larger inventories also represent some slight savings in costs to dealers and these are now being shared with customers to a substantial extent.

Being entirely free from price control by government agencies, dealers in botanical drugs support generally a program based on keeping prices as low as possible. It can even be said that the trade as a whole experiences satisfaction when a lowering of prices is possible and something akin to real dislike develops when replacement costs forced advances. Freedom to establish prices without government interference has carried with it an obligation to keep prices in line with actual replacement costs and as low as possible at all times. This obligation has not been better observed in the past than it is at the present time.

Development of the usually broader demand with the arrival of Fall will find the market more favorable for consumers disposed to cover their requirements liberally.

Market Trends

Prices Advanced

Drugs

Beth root, 2c. per lb.
Cascara sagrada bark, 1c. per lb.
Catnep herb, 10c. per lb.
Condurango bark, 1c. per lb.
Cottonroot bark, 5c. per lb.
Culvers root, 5c. per lb.
Elm bark, powdered, 2c. per lb.
Liverwort leaves, 10c. per lb.
Malva flowers, blue, 5c. per lb.
Sassafras bark, select, 5c. per lb.
White pine bark, 1c. per lb.

Other Articles

Chillies, Carolina, new crop, 2c. per lb.
Laurel leaves, Portuguese, good, 1c. per lb.
Pimento, Jamaica, ½c. per lb.
Sage, Cyprus, good, 1½c. per lb.

Prices Reduced

Drugs

Althea root, 5c. per lb.
Arnica flowers, $1.60 per lb.
Black haw, tree bark, 5c. per lb.
Bloodroot, 5c. per lb.
Bryonia root, 3c. per lb.
Calamus root, domestic, 5c. per lb.
Calendula flowers, 25c. per lb.
Chamomile flowers, Roman, 15c. per lb.
Elecampane root, 5c. per lb.
Fleaseed, black, 5c. per lb.
Gelsemium root, 5c. per lb.
Ginger, Jamaica, No. 3, ½c. per lb.
Gum, galbanum, 5c. per lb.
mastic, 25c. per lb.
Juniper berries, 8c. per lb.
Linden flowers, with leaves, 5c. per lb.
Lobelia herb, 35c. per lb.
Orris root, Florentine, 3c. per lb.
Portuguese, 10c. per lb.
Pinkroot, 10c. per lb.
Strophantus, Kombi, 15c. per lb.
Wormseed, Levant, 25c. per lb.

Other Articles

Cassia, Kwangsi, 1c. per lb.
Celery seed, India, futures, ½c. per lb.
Coriander seed, Morocco, ½c. per lb.
Mustard seed, Montana yellow, futures, 2c. per lb.
Oriental, futures, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
276.9	289.1	291.0	233.5

(For Current Prices see Page 9)

Balsams

Peru—Moderate activity was reported but the market remained very firm.

Tolu—Stocks were very small and distribution was not general. Some quarters had none to offer—and offered it very well! Prices were close to nominality.

Barks

Black Haw—Stocks of new crop have increased and were obtained at more attractive prices in the country. Spot quotations were down to 35c. to 40c. per pound.

Cascara Sagrada—The spot price moved up to 40c. to 42c. per pound, but there were intimations that firm orders might still be filled at 39c. if quantities under consideration were especially attractive. Prices in the primary market were distinctly firm.

Condurango—The market was slightly higher at 18c. to 19c. per pound with competition being less important in the moderate demand current during the past week.

Cottonroot—Stocks were shrinking steadily and new crop season is substantially away from the present. Spot quotations were higher at 40c. to 45c. per pound and much firmer.

Cramp—Strictly N. F. quality bark was in the very low supply and very high prices are being paid to get any bark collected this year. The market was quoted 80c. to 90c. per pound with some holding firmly for the outside figure of the range.

Elm—The price for powder was slightly higher to 55c. to 56c., but neither grinding nor select bark in bundles was changed.

Sassafras—Select bark was advanced to 70c. to 75c. per pound to bring spot quotations more in line with costs now prevailing in the domestic primary market.

White Pine—The market was slightly higher at 17c. to 19c. per pound, ranging according to seller and quantity.

Wild Cherry—Thin natural was higher at 18c. to 20c. per pound and some quarters made rossed thin green minimum at 26c. In another direction, the price was 24c., which was slightly below recent quotations.

Beans

Tonka—Holding very firm because of the well maintained cost of the article in the South American primary market. Demand on spot was routine throughout the past week.

Vanilla—It was reported that negotiations looking to an increase in the quota of Bourbon beans for the United States. The entire question of amount and price would have to be discussed and a final basis satisfactory to both parties worked out. Meanwhile. the market goes on its steady way with very firm prices, limited stocks and good demand.

Berries

Hawthorn—The market was higher at 60c. to 65c. per pound and very firm in all respects. Stocks have been relieved of true shortage by recent arrivals but the quantity even now available does not run to normal size.

Juniper—Quotations were lower at 22c. to 25c. per pound for the ordinary type of berry ordinarily sold by botanical drug dealers. The supply has increased at lower cost, thus inducing further shading of spot quotations.

Flowers

Arnica—The nominal price became $1.65 per pound; it had been $3.25. Every dealer hopes that his next importation will get past the Food and Drug Administration. That accomplishment alone can restore the article to regular offerings, although some domestic flowers may be made available from Montana where trouble with the crop was reported this year.

Calendula—The market was lowered again, this time to $1.25 to $1.30 per pound as the result of competition.

Chamomile—Roman flowers were

For Late Market Developments, See Page 4

Imports Detained by FDA

Week Ended August 9

New York

Angelica root, 20 bales: filthy.
Amyris oil, 1 drum: not N.F.
Cassia oil, 5 drums: not U.S.P.
Chillies, 416 bags, filthy.
Colombo Root, 142 bags: insect bored.
Gentian root, 132 bales: filthy.
Manioc meal, 8,033 bags: insect infested.
Olive oil, 4 drums: rancid.
Safflower, 33 bags; filthy.
Turmeric, 53 bags: insect bored.
Thyme leaves, 23 bales: filthy.

HOPKINS' PROFESSIONAL GRADE
MUCILAGINOUS GUMS
Whole • Ground and Powdered
UNIFORMLY MILLED TO ANY DEGREE OF FINENESS
GUM ARABIC
Whole • Powdered • Granular
GUM KARAYA
Pure Powdered
GUM TRAGACANTH
Ribbon • Flake • Powdered
LOCUST BEAN GUM
Powdered
Hopkins' Gums are of the highest Professional quality and are not to be confused with Textile grades, which we do not supply.
Correspondence is cordially invited on any problems having to do with Gums. Our more than fifty-six years of experience with them can be valuable to you, and you are urged to make use of it. Quotations and samples on request.

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J.L.HOPKINS & CO.
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ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES; WHOLE, GROUND OR POWDERED
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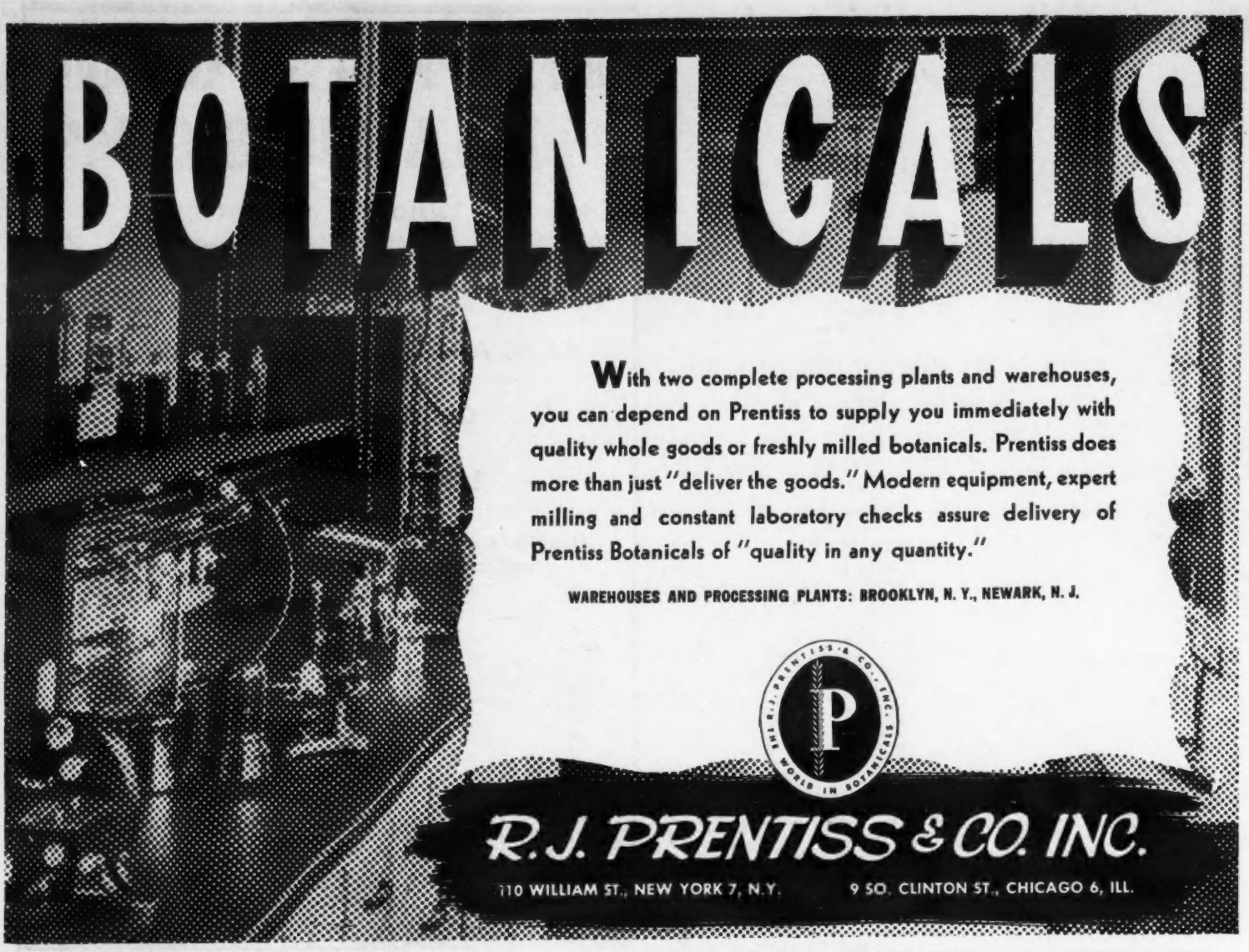
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lower at $1.45 to $1.50 per pound. Hungarian flowers remained at 80c., but the tendency continued downward.

Clover—Collection costs have risen and stand at relatively high position that has brought the spot quotation to 65c. to 70c. per pound.

Linden—Flowers with leaves were lower at 55c. to 60c. per pound and an offering of flowers without leaves was made at 60c. to 65c.

Mullein—Blue flowers were slightly higher at $1.55 to $1.60 per pound. No black flowers were offered.

Saffron—Sales of Mexican flowers were made at the higher level of $1.60 to $1.65 per pound. Spanish saffron remained steady.

Gums

Asafetida—Lump was lower at 70c. to 75c. per pound. The price for powder is usually established at the time goods are powdered.

Benzoin—At last, some Sumatra gum was offered locally and the price established in the renewal of spot trading in this article was $1.60 to $1.70 per pound.

Galbanum—The market was easier and slightly lower at 95c. to $1 per pound.

Gamboge—One local dealer has managed to restore a limited supply on spot. For mass and pipe, $2 per pound was asked last week; for powdered goods, $2.25.

Mastic—Several lots have reached here of late and some goods have at last come on the open market at $3.25 per pound.

Sandarac—Some of this item was available at 90c. to 95c. per pound—which is below the old OPA ceiling.

Herbs and Leaves

Buchu—Although it was still possible that the recently quoted price of 79c. might be done the generally asked quotation was 80c. for major quantities and as high as 85c. for small lots.

Catnep—Southern leaves cost more in the country and the spot price went to 60c. to 65c. per pound.

Lobelia—Receipts have increased and the goods have been acquired at lower cost to local dealers who have been able to establish a going, firm offer price at 75c. to 80c. per pound.

Liverwort — Country costs have risen and spot prices were considered favorable when made at 75c. to 80c. per pound.

Miscellaneous

Lycopodium—Very firm but sellers expect an easing of the present situation when new crops shall become available.

Manna — At last, some large flake manna has been released by the Food and Drug Administration and a spot offering, the first since limited quantities of this item began to reach here from Italy, was made at $1.50 to $1.55 per pound.

Roots

Althea—Slightly more local competition was noted last week and spot offerings were made at the lower price of 50c. to 55c. per pound. Several lots have arrived from abroad of late.

Beth—The price range was narrower but inside quotations held unchanged. Offerings out of spot stocks were made at 45c. to 50c. per pound last week.

Blood—Slightly more advantageous purchases having been made in the primary market, one local quarter proposed spot business last week at 55c. to 60c. per pound, being a slight price decline.

Bryonia—The primary market has become slightly easier and lower. Spot quotations have been reduced to the basis of 45c. to 50c. per pound and further shading might develop if firm orders were in hand.

Calamus—Domestic root was cheaper at 45c. to 50c. per pound but the prices on imported goods lacked quotable change.

Culvers—Deliveries have increased at somewhat more favorable prices in the domestic primary market. The savings in costs have permitted establishment of a spot price at 40c. to 45c. per pound.

Elecampane—Competition gained in pressure last week and resulted in sales being made at the lower price of 45c. to 50c. per pound. Not all sellers met the minimum figure.

Gelsemium—The market continued to ease in favor of manufacturing con-

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Jalap	7½ ounces
Aloes, Cape	5 ounces
Gentian	2 ounces
Canella alba	1½ ounces
Orange peel, bitter	1 ounce
Grains of Paradise	3 drams
Scammony	1½ ounces
Senna	1½ ounces
Alcohol, dilute	16 pints

Reduce the drugs to a coarse powder, mix them with the dilute alcohol, and macerate fourteen days, stirring the mixture thoroughly each day. Filter.

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sumers who, last week, were able to cover their requirements at the lower price of 35c. to 40c. per pound.

Ipecac—Firm spot delivery prices have been restored and whole root was made available at $6 to $6.25 per pound; powdered, $6.50 to $6.75. The supply situation was very tight. Prices at all primary sources remained high.

Orris—Portuguese root was lower at 35c. to 36c. per pound and Verona root was available at the same price. Florentine was priced at 40c. to 41c. per pound.

Pink—Slightly more favorable purchases made in the domestic primary market resulted in spot quotations being moved down to the basis of $1 to $1.05 per pound. However, stocks remained conservative in size.

Seeds

Anise—Market on Chinese star anise reported still easy but no further contraction in price was reported. Mexicans were scarce on spot but some was coming forward on a 46½c. per pound to arrive basis.

Caraway — Competition continued keen, but prices appeared to be developing some stability at currently quoted levels.

Cardamom—The higher prices now effective in India and on spot have not caused consumers to come into the market. They apparently hope that current stocks will last until a reversal of the upward trend takes place.

Celery—Indian seed afloat was quoted at 25½c. to 26c. per pound and spots stood at 26c. to 26½c. Until recently, replacement had been higher than spots.

Mustard—New crop futures of Montana yellow seed were down sharply to the basis of 14c. to 14½c. per pound, f.o.b. the source. Also, future deliveries of oriental seed were down to 8c. to 8½c.

The Commodity Credit Corporation will receive at Washington until 5:00 p. m., EST, August 27, bids on a lot (SC-31) of 24,652 pounds of compound mustard flour in 1-pound containers, forty to the case. The material is in warehouse in New York. Particulars are in announcement SC-107 (P. A. No. 250).

Spices

Allspice—Some Mexican pepper has come in and is being offered for spot delivery at 23c. to 23½c. per pound.

Cassia—Kwangsi cassia was lower at 28c. to 28½c. per pound. China cassia remained unchanged and Batavia was unobtainable.

Ginger—Substantial quantities of Jamaica root were said to have been engaged for shipment to London under licenses. No. 3 Jamaica was lower at 14¼c. to 14¾c. per pound. Other varieties lacked change.

Pepper—All trading in black pepper has stopped. It was the old OPA ceiling of 15.15c. per pound in carlots that reduced an active market at 45c. to 50c. during the period of no price control to the present impass. Carolina chillies of new crop persuasion were higher at 50c. to 51c. per pound.

Pimento—Spot was higher at 24½c. to 25c. per pound and futures were up to 23½c. to 24c.

Trade Briefs

American Bottlers of Carbonated Beverages, Washington, D. C., has retained Murray Breese Associates, New York, to guide and direct an extensive research program on the physiological values of carbonated beverages.

United States Cuban Sugar Council has named as vice-chairman Laurence A. Crosby, president of the Cuban Atlantic Sugar Company and Central Violete Sugar Company, and Louis V. Place jr., officer of Manati Sugar Company and Francisco Sugar Company.

Red Rock Bottling Company, Cleveland, will increase its annual capacity from 600,000 to 1,000 000 cases of soft drinks a year by means of a new plant now under construction.

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Essential Oils, Other Aromatics

A marked inflationary condition in Brazil has promoted a sharp increase in bois de rose prices with the result that prices on the local market were trending upward. Coupled with increased source prices in affecting the American market was the comparatively short supply. Current selling prices were closely in line with available replacements, and indications were that so long as the supply of oils from Brazil is short at high prices, the local prices will continue to rise. It was reported that the rising costs in Brazil had forced several shippers to withdraw from the market.

Stocks of Italian lemon oil were rapidly accumulating in primary markets but the price there was so high that American buyers, all of whom must observe ceiling prices, could not bid abroad.

The result was that most of the crop was going to European markets. The oil offered by the United States government three weeks ago was practically all sold last week with the exception of certain small amounts which the buyers felt were below standard.

The lime oil market became increasingly active last week when indications of a good West Indian crop became apparent. Prices remained unchanged, but steadied with a tendency toward more activity as new stocks become available.

Spain's essential oil production last year was far below the normal prewar level, and the results were being felt in the market last week. No distilling took place in certain areas during 1945 due to crop failure and drought. In general the output of all oils was merely one-third of the former totals. Indications are that importers can expect little from this source during the current year.

Shipments of essential oils to the American market are arriving with greater frequency, and indications are that the curtailment of trade by restricted supply may be eased sooner than experience earlier this year suggested.

Market Trends

Prices Advanced

Bois de rose, 15c. per lb.
Cedarwood, cans, 5c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
200.7	200.7	200.1	235.9

(For Current Prices see Page 9)

Essential Oils

Almond—No imports were reported during the past week, with the result that stocks remained low. The market was active with prices continuing at the level of the previous week.

Angelica—Very little foot oil was available, and the stocks on hand moved slowly with the prices ranging from $40 to $140 per pound.

Anise—Recent price declines were checked in the spot market last week and source prices have a gradually upward trend.

Apricot Kernel—Routine demands for moderate quantities persisted in the trade last week. Prices remained stable with various sellers asking from 60c to 65c per pound.

Bergamot—The market was mildly active with little effect on prices ranging from $4.85 to $6.50 per pound for natural Italian oil. There were indications that increased prices at the source would cause a slight upward trend here.

Bois de Rose—The minimum price rose from $5.00 to a basis of $5.15 per pound with some sellers asking $6.00. A marked inflationary condition in Brazil has forced the prices upward at the source, and this situation may soon be reflected on the local market. The market was firm with little oil selling at the low of prices. Imports totaled 92 cases from Brazil.

Canaga—Permission for private exportation from the Netherlands East Indies indicates that the stock situation may soon be eased. No imports were forthcoming last week, and no sailings have been reported.

Caraway — Prices showed small variations during the week, but the tendency was toward a steadier market. The trade total was not large, consisting essentially of jobbing orders.

Cassia—Although some high cost oil remained in the hands of various dealers, the sufficient quantities of lower cost goods available in other quarters limited the opportunities for sale at the higher level.

Cedarwood—Of particular interest was the arrival of 5 drums of oil from British East Africa, a relatively new source. There was an upward price tendency resulting from an active market with some sellers asking $1.30 per pound.

Celery—Lack of competition held the prices steady last week in a fairly slow market.

Citronella — Arrival of 38 drums from Guatemala and 3 from Singapore aroused new interest among buyers who have been chafing under supply shortages. Prices remained at the levels of the previous week ranging from $1.85 to $2.75 per pound.

Cypress—Stocks were seriously depleted and the prospect of replenishments from the usual sources was very slim.

Dill—Demand from the pickling industry has been very good during this busy season. Their demand has been filled essentially with weed oil on contracts placed very early.

Geranium — Spot quotations were held steady last week by the continuance of official source prices and infrequent imports. The arrival of 4 packages from the Belgian Congo was the only import recorded last week.

Lavender—Restricted production of spike oil in Spain indicated a very tight future market. The only arrival was three drums of Spanish oil.

Lemon—It was reported that the 36,250 pounds of Italian oil offered by the United States government for competitive bidding have been almost completely sold. The stock remaining is of a quality which did not find favor with the trade. Indications were that stocks of Italian oil were readily available at the source, but that increased costs forced buyers to await a more favorable selling price.

Lemongrass—Prices remained steady but were firmer last week, the market feature being the arrival of 191 drums from India.

Lime — Prices in West Indian oil have lowered slightly in view of favorable crop estimates and the resultant lowering of source prices. It was indicated that carry-over stocks may begin to move as availability and demand increases.

Ocotea Cymbarum — Latest reports were that prices at the source continued to rise and that several shippers had withdrawn from the market. Imports from Brazil were 23 cases and 14 drums.

Orange—Importations of 46 cases from Brazil was noted. Competition at the source was keen with European buyers making strong bids for the available supply.

Patchouli—Available stocks continued small and interest was aroused by the arrival of 115 drums from Singapore.

Petitgrain—Prices tended upward as the arrival of 50 cases from Argentina and 16 drums from Uruguay helped to bolster short stocks.

Pineneedle—Arrival of 2 drums from Trieste was reported.

Sage—Prices continued firm. Three drums were imported from Trieste.

Sandalwood—Three cases were imported from India.

Aromatic Chemicals

Ethyl Acetate—The item of NF VII quality has been virtually withdrawn from sale since only nominal quantities are available with the producers. The situation ties in with the position of alcohol.

Methyl Acetophenone—Production of the choice quality has been discouraged by the low ceilings under which the producers have to sell. Replacement was reported by dealers to be impossible.

For Late Market Developments, See Page 4

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Methyl Anthranilate — Stocks appeared to be sufficient to meet all consumer requirements and still leave a protective quantity in the hands of distributors and producers.

Methyl Phenylacetate — Production methods have been improved considerably and a lower cost of production has resulted.

Methyl Salicylate—A struck plant has prevented the largest producer to turn out goods sufficient to care for all needs. Other producers have been hampered by the shortage of phenol as a result of the steel and coal strikes, and also by the supply situation in methanol.

Methylnaphthyl Ketone — The recently established price for this material proved to be very firm last week and moderation in available supplies contributed to the overall strength of the general situation. Demand was steady.

Musk — Ambrette synthetic musk continued in low supply because of shortages in raw material the demand for which in connection with other products reduced the supply available for manufacturing synthetic musk. Other musks were more available. The entire group was firm in price.

Shale Oil Output To Start This Year

OPD Washington Bureau

Shale oil production will begin sometime this Summer at a $1,500,000 demonstration plant near Rifle, Colorado, the Bureau of Mines recently announced. The bureau has studied oil production from this untapped 100,000,000,000 barrel reserve for several years with an eye toward the time, two or three generations from now, when petroleum reserves will have been practically expended.

Shale oil is inferior to petroleum and costs more to produce, but E. D. Gardner, chief of the Oil Shale Division of the Bureau of Mines, believes that shale oil will enter the commercial picture in five years unless important new oil pools are discovered.

Both Japan and Germany made great strides in the development of shale oil during the past war, and it is possible that another war my find shale oil essential to guarantee American armed forces an adequate domestic source of liquid fuel. In 1926 the government withdrew the rich shale oil lands in Colorado, Wyoming, Utah, Nevada, Indiana. Ohio, Texas, and Kentucky from public entry.

Oil Policy Committee Appointed by API

William R. Boyd, Jr., president of the American Petroleum Institute, has appointed a committee on national oil policy as authorized by the directors of the institute at their meeting in Dallas, Tex., on June 25th.

The commitee will consider problems nationally important to the industry and make recommendations to the directors. A. Jacobsen of the Amerada Petroleum Corporation, was named chairman of the commitee, which will be appointed annually.

Ethyl Corp. Adds Five to Board

Five new members have been elected to the board of directors of the Ethyl Corporation, New York. They are Albert Bradley, executive vice-president of the General Motors Corporation, and the following vice-presidents of Ethyl: John H. Schaefer, Percy L. Griffiths, Harry W. Kaley, and Stanley T. Crossland.

Mr. Bradley succeeds Donaldson Brown, who resigned as a director after serving continuously since the incorporation of the company in 1924. The other new directors constitute an increase in the number of directors from ten to fourteen.

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Petroleum Derivatives

Firm prices and fairly active call for most materials characterized the market for petroleum derivatives last week. No price changes were reported but the majority of the materials were feeling the strength which developed from the advances in crude oil and certain of the refined products earlier this month.

Cleaners' Naphtha, butane, propane, paraffin waxes and petrolatums remained in very active call during the period under review, although in many quarters offerings were limited because of shortage of supplies and backlog of orders. The petroleum chemicals were moving sluggishly because of shortage and heavy demand.

The crude oil situation was unchanged. The price advances have been general at virtually every well but the increased postings failed to hamper buying interest.

Production of wax during May totaled 67,760,000 pounds, compared with 68,040,000 in April and 71,120,000 in May, 1945, according to the Bureau of Mines. Exports of wax during the same periods totaled 16,171,000, 16,105,000 and 9,024,000 pounds, while there were no imports recorded. Domestic demand in May was 55,229,000 pounds, against 56,415,000 in April, and 65,736 in May, 1945.

Production of motor fuel in May totaled 65,191,000 barrels, compared with 61,160,000 in April and 69,766,000 in May, 1945. Exports during May were 3,038,000 barrels, against 3,533,000 in April and 11,649,000 in May, 1945. There were no imports of gasoline during April or May this year, compared with 299,000 barrels brought in last May. Domestic demand for May totaled 66,774,000 barrels, compared with 62,045 in April and 60,828 in May, 1945. Stocks of finished gasoline at the end of May totaled 85,801,000 barrels, compared with 90,444,000 in April and 77,151,000 in May, 1945.

Petroleum Chemicals

Methylethyl Ketone — Demand remained active during the week, but purchasing was restricted by short supplies and a heavy backlog of orders. Prices were steady.

Methylisobutyl Ketone — Supplies were being constantly depleted by heavy ordering on the part of prospective consumers. The Navy and manufacturers of synthetic resins were particularly active in the market. Prices were unchanged and firm.

Solvents and Diluents

Aromatic Solvents — Deliveries of these solvents were well maintained last week, and interest in offerings was at a satisfactory level. No price changes were reported.

Cleaners' Naphtha—Seasonal movement into consuming channels remained steady and for fairly large lots. Pricewise, strength was felt, but no actual changes were reported.

Lacquer Diluent—Lacquer manufacturers remained interested in offerings. The price advance of the previous week failed to deter inquiries.

Mineral Spirits — Buying interest was well maintained despite advances the previous week. The new prices were firm to strong.

Rubber Solvent—Movement against former orders characterized the principal activity in the market. Inquiries and offerings were at previous levels.

Stoddard Solvent — Market unchanged, with the solvent being offered at the high price instituted two weeks ago.

V. M. & P. Naphtha—Deliveries were steady and in fairly large-sized lots. Prices were unchanged.

Markets at Other Centers

Chicago. — Trade was still generally good in these materials, as buyers continued to take virtually all the products available to them.

Aromatic Solvents—Buying active and market steady.

Cleaners' Naphtha—Business good, no price change.

Lacquer Diluent—Trade fair, without quotation change.

Market Trends

Prices Advanced

None

Prices Reduced

None

(*For Current Prices see Page 9*)

Mineral Spirit—Call moderate, price holding.

Rubber Solvent—Interest adequate and prices strong.

Stoddard Solvent—Trade good, market firm.

V.M. & P. Naphtha—Business active, quotations steady.

Lighter Fractions

Butane — Synthetic resin manufacturers remained active in the market, although inquiry from other process users tapered off somewhat. Prices were firm and unchanged.

Heptane—Little activity was reported in the market. Inquiries and offerings were at previous levels.

Hexane—What small interest was evident was primarily for small-sized lots.

Pentanes—Little buying interest was reported. Prices were steady.

Propane—Similar to butane, demand was fairly active and inquiries were steady. Prices were firm.

Markets at Other Centers

Chicago. — Buying of these materials was along conservative lines, but volume seemed to be sufficient to hold the market at current prices without difficulty.

Butane — Interest fair, no quotation change.

Heptane—Buying moderate, prices firm.

Hexane—Orders good, without market change.

Octanes — Interest active, prices unchanged.

Pentanes — Business moderate, prices stiff.

Petrolatums and Waxes

Microcrystalline Waxes—These materials continued to show strength during the past week, although suppliers continued to hold prices to previous price levels. Demand remained fairly active.

Paraffin—Producers of the crude and refined grades continued to quote previous prices, although strength was evident. Demand was heavy, but offerings were restricted because of short supplies.

Petrolatums—The market was firm at the higher prices instituted two weeks ago. Demand was good and offerings at previous levels.

White Mineral Oils—No new developments were reported during the period under review. Demand was good and prices firm.

Markets at Other Centers

Chicago.—These products were in good call at firm prices. Offerings were not so large as to depress values, and interest was good.

Paraffin—Call excellent, prices steady.

Petrolatums—Orders good, no quotation change.

White Mineral Oils—Inquiry fair, market holding.

Crude Petroleum

The recent advances posted at most wells were well maintained last week, with demand unabated. Refiners were buying in large volume. The daily average production of crude petroleum in May increased 112,000 barrels to 4,785,000 barrels, the highest level since August, 1945, according to the Bureau of Mines. Texas production increased 80,000 barrels daily and small gains were reported in most leading states.

The daily average demand for domestic crude in May increased 155,000 barrels over April to 4,797,000, causing a draft upon crude stocks of domestic origin of about 12,000 barrels daily. Total crude stocks, domestic and foreign, were 226,505,000 barrels on May 31, compared with 227,013,000 barrels on April 30.

Fuels and Lubricants

The flurry of price advances in gasoline and other fuels set off in most sections of the country by the advance in crude postings simmered down during the week although firmness was evident in the advances.

Gasoline—Demand for this material was reported very good throughout the period under review. There was no slackening in call because of the higher prices.

Kerosene—Shipments of this product reported at off-season level but producers were not offering freely. There was a tendency on the part of suppliers to hoard inventories until the heavier demand period in the winter. Prices were firm throughout.

Lubricating Oils—Demand for Pennsylvania grades were reported so heavy that some suppliers were refusing to accept new business and were disinclined to quote new prices.

For Late Market Developments, See Page 4

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METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

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BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number, 171-179 mg. KOH per gram ester	
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

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Protective Coatings Materials

Casein and imported unbleached shellac were the objects in two separate governmental actions during the week. The Office of Price Administration notified producers of inedible casein that they may sell their product at the present domestic ceiling price and bill purchasers for the additional amount as soon as OPA announces a new and higher ceiling. The OPA also established a new formula for determining ceiling prices for producers' sales of bleached shellac.

The principal development in the market for paint raw materials last week was the falling off in demand for various products because of the shortages in other basic materials. This was particularly true of fillers and extenders, which were attracting less interest due to the scarcity of various pigments and colors.

Pricewise, the movement was mixed. Chrome greens and yellows registered small advances, as did copper and lead resinate and lead naphthenate. On the other hand, alumina resinate was lowered.

Buying interest in pigments continued to run far ahead of production. In many instances available foreign stocks were diverted to European markets by the high bidding at primary markets. There was little activity in naval stores as supplies were heldup at sources awaiting price action in Washington.

Carbon black demand remained spirited, despite the recent advance in prices on the channel grades. Other dry and chemical colors were in fairly good call, with movement restricted by short supply.

Market Trends

Prices Advanced

Copper, resinate, precip., 2½c. per lb.
Green, chrome, CP, ½c. per lb.
Lead, naphthenate, liquid, ¾c. per lb.
resinate, precip., 2½c. per lb.
Yellow, chrome, CP, ¼c. per lb.

Prices Reduced

Alumina, resinate, precip., 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
147.4	147.4	150.4	140.2

(For Current Prices see Page 9)

Metallic Lead and Zinc

With prices ceiled for both lead and zinc, the market for these metals was uneventful as far as new developments were concerned. Lead was still in tight supply and zinc offerings were not abundant.

Except for 1932, the domestic mine output of recoverable lead in June was lower than the average monthly production for any year since the Bureau of Mines began annual reports in 1907. The daily average output which has been declining steadily since February, dropped to 793 tons in June. Total production in June was 23,802 short tons, compared with 25,255 in May.

Production of zinc declined 11 percent in June and thus made a poorer showing in relation to May than lead, but was far less reduced from 1945 averages than that metal. Total June output was 42,665 short tons, compared with 47,972 in May.

Pigments

Buyers interest continued to outstrip production last week, as the raw material supply failed to approach the sellers' needs. Available foreign stocks were diverted to European markets by the exceptionally high bidding at primary markets. American bidding fell far short of the competitive offers because ceiling limitations restricted the maneuverability of American representatives. The prices remained at OPA ceilings and were strong enough to surge upward if it had been permissible.

Litharge—Active interest was maintained in spite of the fact that supplies of raw materials were diminished, and the prospects of replenishment were slight.

Lithopone—Scarcity of stocks seriously hampered production. The market continued active, but producers were unable to meet a fraction of the demand.

Orange Mineral — The thoroughly tight pig lead supply restricted production to a point where anxious buyers began to despair of any relief. Anxiety, however, did not prevent the demand from remaining active.

Red Lead—The progressive tightening of the market approached the breaking point last week as practically no stocks were available to meet the urgent demand.

Blue Lead—In spite of the fact that few or no stocks were available, buyers continued to scour the trade searching for token offerings.

White Lead—The ration plan which producers adopted to ease the small stocks to the consumer continued in effect.

Zinc Oxides — Diminishing supplies further slowed the market activity with buyers resigning themselves to the fact that so long as raw materials remained inadequate, the producers could not hope to meet demand. Production of zinc oxide, both leaded and lead-free, during April totaled 17,619 short tons, compared with 19,028 in March. Shipments during the month of April were 18,205 short tons, compared with 17,599 in March.

Zinc Sulphides—Market activity increased slightly as the higher price levels attracted more producers into selling.

Fillers and Extenders

Barytes—Suppliers reported a fairly good movement of this material against outstanding orders. New business, however, was falling off because of uncertainty in the market for most paint materials. Prices were firm and unchanged.

Blanc Fixe—The product was reported moving fairly well, despite the tight situation in most materials. No changes in price were reported.

China Clay—Although there were increased offerings of English china clay in the market, there was no improvement in demand noted. Prices were steady.

Talc—There was little of new development in the market for this product. Consumption was at previous levels and prices firm.

Whiting — Offerings were fairly liberal last week and inquiries were up to normal. A total of 4,700 bags was imported into the United States from Antwerp during the period under review.

Lacquer Materials

Producers found it necessary to leave substantial orders unfilled as the lack of phthalic anhydride restricted the manufacture of derivatives. The shortage results from the basic shortage of crude naphthalene and the strikes which have shut down the plants of principal producers.

Dibutyl Phthalate—Some consumers have been forced by the lack of this vital product to accept usable substitutes, and there was a tendency for buyers to quiet down last week. Producers were completely unable to meet demands, and there was no prospect of relief in sight.

Dibutyl Sebacate — Production was practically at a standstill as raw materials remained strike-bound, and foreign sources failed to provide any important amounts.

Dry and Chemical Colors

Carbon Black—Despite the recent advance in prices, channel black inventories continued to grow smaller during the period under review because of the heavy demand. This demand came particularly from makers of automobile finishes and synthetic rubber. Prices on furnace blacks were unchanged.

Chrome Colors—Higher prices were reported in the market for chrome yellow and green. The yellow was up ¼c. per pound to 17¼c. The chrome green was advanced ½c. per pound to a range of 24c. to 34c. per pound, depending upon blue content.

Driers and Flatteners

Naphthenates — The 24-30 percent lead naphthenate was advanced ¾c.

For Late Market Developments, See Page 4

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per pound and was quoted at from 15¼c. to 18½c., depending upon grade.

Resinates—Mixed price movement was reported in the market for the precipitated products last week. Alumina resinate was quoted at 18½c. per pound, which was 1c. lower than during the previous period. Copper was advanced 2½c. per pound to 18½c.; lead was up 2½c. per pound to 20c.; manganese and zinc were up 2c. per pound each to 17½c. and 18c., respectively, and iron resinate was quoted at 21c., an advance of 3¾c.

Varnish Gums

Shellac—Because of the rising prices for imported unbleached shellac, the OPA established a new formula for determining ceiling prices for producers' sales of bleached shellac. The formula, which went into effect August 15, replaced specific dollar-and-cents ceilings. The uncertain cost situation made the dollar-and-cent ceiling impractical, OPA said. The former ceilings are below the cost of unbleached shellac being shipped in from India.

In substance, the formula is the sum of the average cost of acquisition per pound of unbleached shellac for a current calendar month plus the producer's dollar-and-cent mark-up per pound, or the sum of the average cost of acquisition per pound of unbleached shellac for the current calendar month plus 85 percent of the producer's percentage mark-up per pound for the same grade of bleached shellac on his last delivery to the same class of purchaser during March, 1942, or the nearest comparable selling period before that date if no sales were made.

Copal—High Belgian export taxes continued in effect last week forcing American buyers to persist in their patient waiting as few stocks were forthcoming. The mild interest evinced in the market held prices steady.

Elemi—Prices remained at the previous level as available stocks continued small.

Kauri—There was slight activity in the market last week with prices remaining unchanged.

Naval Stores

There was no activity in the market last week as supplies were held up at sources awaiting price action in Washington. It was reported that the government hoped to decontrol both gum and wood naval stores simultaneously and that action might not be taken until the end of the month. The result of the uncertainty was that processing plant storage facilities were being strained and a shortage of barrels for crude gum was anticipated. Heavy rains in the wood naval stores area during the past two months has seriously affected replacement materials, and the storage problem may be somewhat relieved if these raw materials are not immediately available for processing.

Rosin—Stocks were being held at the source during the OPA conference period, and many suppliers had withdrawn offerings for consumers. Nothing was bought in the producing area except the two top grades of gum.

Savannah, Aug. 16.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.00	$6.00	$6.00	$6.00	$6.00
D	6.07	6.07	6.07	6.07	6.07
E	6.60	6.60	6.60	6.60	6.60
F	6.70	6.70	6.70	6.70	6.70
G	6.75	6.75	6.75	6.75	6.75
H	6.76	6.76	6.76	6.76	6.76
I	6.76	6.76	6.76	6.76	6.76
K	6.80	6.80	6.80	6.80	6.80
M	6.82	6.82	6.82	6.82	6.82
N	6.98	6.98	6.98	6.98	6.98
WG	7.06	7.06	7.06	7.06	7.06
WW	7.25	7.25	7.25	7.25	7.25
X	7.25	7.25	7.25	7.25	7.25
	Drums				
Sales	....	....	....	....	....
Receipts	....	6,156	1,067	1,760	258
Shipments	....	6,100	335	2,078	190
Stocks	12,137	12,193	12,925	11,135	11,203

Turpentine—Production continued at a fairly steady rate, but stocks were being held until there was a clarification of price controls from the OPA. There was no activity on the local market, with many producers withdrawing offerings to consumers altogether.

Savannah, Aug. 16.—Following is a record of the turpentine market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Monday	83½	...	81	...	777
Tuesday	83¼	...	635	498	914
Wednesday	83¼	...	237	132	2,329
Thursday	83½	...	2,029	2,078	2,280
Friday	83½	...	444	300	3,424

Synthetic Resins

The market for these products was still fairly uncertain during the period under review. Although it was not reported whether or not prices had been

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altered for any of the materials, strength was evident. Meanwhile demand was at a high level and movement was routine.

Glues and Binders

Casein—Stocks on the market were increased materially by the arrival of 29,522 bags from Buenos Aires, and indications were that additional stocks would be forthcoming from that source in the Fall.

Glues—Stocks of hide and bone glues continued small with buyer interest remaining fairly active. Prices were unaffected by the mild trading.

Sherwin-Williams Has New Extraction System

A new solvent extraction system which can increase the annual oil yield from cottonseed, linseed, castor and most oil-bearing seeds, nuts and beans by 20,000 tons, has been developed by the Sherwin-Williams research staff at the company's Cleveland linseed oil mill.

The new process can extract 98½ percent of the available oil from vegetable matter used in the production of soaps, salad oils, cooking oils, linoleum, paints and other products. This yield exceeds other known processes to the extent that the company says in normal years the increase in vegetable oil will reach 40,000 tons.

Zinc Unfilled Orders Gain

Unfilled orders of slab zinc at the end of July aggregated 39,083 tons, the American Zinc Institute, Inc., announced recently. This compares with 16,656 tons at the end of the same month last year. Production last month was 59,014 tons, compared with 65,830 tons a year before.

Nat'l Gypsum Halts Output of Sheathing

The National Gypsum Company, Buffalo, N. Y., has halted production of gypsum sheathing and sharply reduced its output of gypsum lath because of unfavorable price ceilings.

Can Makers Plan 20% Increase in Production

The Can Manufacturers Institute has announced that can makers will expand facilities to increase production by 20 percent, to take care of rising demand. The Institute explains that technical advances made during the war years have resulted in considerable saving of tin which to some extent offset the seriousness of the shortage of the metal, and which will help allow the increased production.

G.E. Starts Operations At Ohio Plastics Plant

The plastics division of the General Electric Company has started production at its new $5,000,000 factory in Coshocton, Ohio, which has been designed as the largest plastics laminating plant in the United States. Construction of the plant has not been completed but the company is starting operation of each press as it is installed. More than 100 presses will be in operation when construction is completed.

Detroit, Cleveland Paint Clubs to Golf Aug. 20

The Detroit Paint, Varnish and Lacquer Association will play host to the Cleveland club at the Birmingham Country Club on August 20. Golfing will start at 1 p.m. and dinner will be served at 7:30 p.m.

Trade Briefs

American Window Glass Company, New York, has named Daniel Maggin a director.

H. O. Canfield Company, manufacturer of synthetic rubber products, Bridgeport, Conn., has appointed A. J. Youmans head af the personnel department.

Reynolds Metals Company, Richmond, Va., has named W. Douglas Peters assistant general sales manager of the foil division in charge of product sales.

Socony-Vacuum Oil Company, New York, has leased the fourth floor of 42 Broadway in a $100,000 transaction.

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SYNTHETIC OLEFINS

These products are co-polymers of the butenes and isobutene. "Purity," shown below, represents content of the named group of co-polymers.

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ISOOCTENE							
Commercial Grade	86	98	176	218	229	238	270
Research Grade	98	99	210	216	230	231	252
DODECENE							
Commercial Grade	87	95	318	341	360	374	406
Research Grade	98	99	346	350	352	354	378

AVAILABILITY—Commercial Grades—barrels or tankcars. Research Grades—1 lb. containers.

USES—As raw materials for laboratory and commercial synthesis, these materials offer countless and widely diversified possibilities.

NOTE—These products are somewhat unstable in the presence of light or oxygen. As shipped, the Commercial Grades therefore contain du Pont No. 5 and the Research Grades U.O.P. No. 5 gasoline antioxidants. For some purposes removal of antioxidant before use may be desirable.

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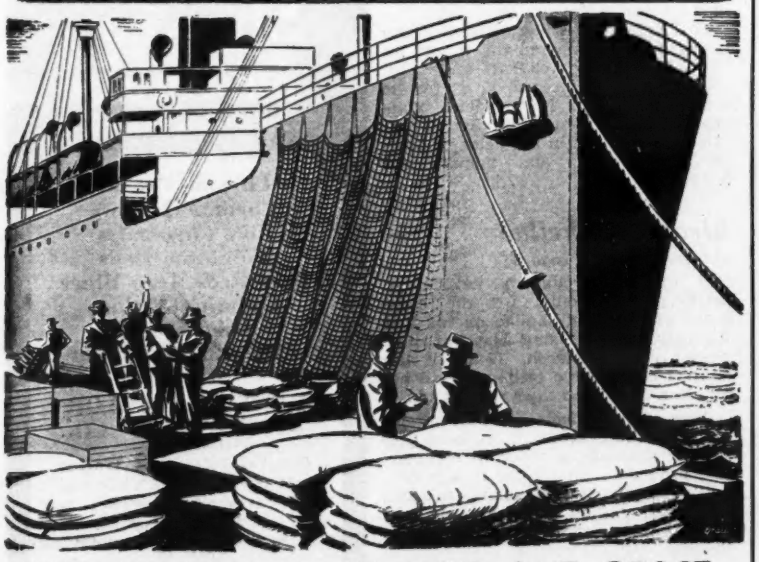

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Acid No. of Solution..4-6	Specific gravity (resin).....1.08
Pounds per gallon..7.8	Phthalic anhydride (resin).....30%
Aliphatic solvent tolerance.....Excellent	Rosin or derivatives.....None
Pigment compatibility..Excellent	Phenolic content...None
Air dry—setting time....Medium	Oil acids content (resin).....50%
Baking speed..Medium	Type of oil.....Soya
Hardness.....Good	
Flexibility.....Excellent	

A G-E specialist is always available to discuss your paint problems. Just write to: Section RIMA-863, Resin and Insulation Materials Division, Chemical Department, General Electric Company, Schenectady 5, N.Y.

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CD46-G11

If just now you are unable to get all the Glyptal alkyd resins you want, you will be pleased to know that G.E.'s facilities for manufacturing these quality products are now being expanded to bring production in step with demand.

DuPont to Make Chrome Colors by New Process

Plans for the installation of the first full-scale process for the continuous manufacture of precipitated pigment colors were announced last week by the pigments department of E. I. du Pont de Nemours & Co., Wilmington, Del. Installation will be made in buildings already available at the company's pigment plant in Newark, N. J.

The installation, estimated to cost $500,000, represents the first fundamental change in the manufacture of chrome pigment colors in many years, according to the company. Du Pont officials added that it will reduce processing time from a period of four or five days to a few hours.

The new process is expected to be ready for operation in five months. It will be installed in a building in which silica gel was manufactured for the government during the war.

Fats, Oils Situation

—Continued from page 7

ingly scarce. In 1945, linseed oil, the principal drying oil, declined in production to 44 percent below the 1944 total, while stocks declined 32 percent to 180,000,000 pounds. At the end of April, 1946, stocks had further declined to 129,000,000 pounds, largely as a result of the unusually small 1944-45 domestic crop and because of a sharp decline in imports.

Additional imports of linseed oil and flaxseed have not been realized, despite the efforts of the paint industry, and there is little likelihood of substantial improvement in the near future. Various flaxseed crushing mills have been shut down for lack of materials, and strikes have also held up the extraction of oil from castor beans. In many areas of the country there is little or no linseed oil for sale, while production continues to decline in the face of heavy demands.

The conference board's report points out that research in farm chemurgy is attempting to expand the growth and industrial utilization of vegetable oils in this country. For example, oils have been recovered from domestically grown mustardseed, grapeseed, castor beans, okraseed, and sesameseed.

The National Industrial Conference Board, which prepared the report on "The Acute Need for Fats and Oils" (NICB Industry Record, V, 6) for its associates, is an independent, nonprofit research institution for education and research in the fields of business, economics, and management technics.

Bleached Shellac

—Continued from page 5

cent of the producer's percentage mark-up per pound for the same grade of bleached shellac on his last delivery to the same class of purchaser during March, 1942, or the nearest comparable selling period before that date if no sales were made.

The action effects 10 percent increase in the percentage mark-up previously allowed in order to compensate producers for shellac that is normally lost in the bleaching process. Moreover, Indian exporters are not refunding for defective shellac as was the pre-war custom.

OPA may revise the producer-determined ceilings if it finds individual mark-ups to have been excessive. Various reports and records are required for filing with OPA. The action also defines a sale to include a contract to sell. The action was made through amendment 2 to Maximum Price Regulation 245.

Turpentine, Rosin Imports Into Britain Reported

British imports of turpentine during the first four months of 1946 increased to 20,376 hundredweight, according to British custom statistics. Imports during May fell to a new low of 1,901 hundredweight, compared with 14,302 in April and a pre-war monthly average of nearly 34,000.

May rosin imports amounted to 87,147 hundredweight, against 79,232 in April. Total imports for the first five months of 1946 were 461,761 hundredweight.

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Mineral Deposits Data Available

The advantages of using geophysical exploratory methods to supplement geological work in determining faulted areas have been demonstrated by the Bureau of Mines in a field investigation of fluorspar deposits in Western Kentucky, according to an engineering report on a recent project released for free distribution by the bureau. The engineering report emphasizes the importance of locating faults in ore-bearing areas by the application of electrical resistivity methods.

Because the fluorspar mining in the area near Marion, Crittenden County, Ky., is controlled almost solely by the faults encountered, the bureau survey presents an excellent comparison between field information that can be obtained by purely geological means and the additional information obtained by applying geophysical surveys to the same areas. Subsequent mining in the region confirmed conclusions reached by geologic work supplemented by geophysical data.

A copy of the publication, Report of Investigations 3889, "A Study of Fault Determinations by Geophysical Methods in the Fluorspar Areas of Western Kentucky," may be obtained free by writing to the Bureau of Mines, Department of the Interior, Washington 25, D. C.

Mica and Fluorspar Deposits

Three Bureau of Mines publications describing the results of investigations of mineral deposits in New Mexico and Idaho have been released by the Bureau. Made under authority of the Strategic Minerals Act of 1939 and subsequent legislation, the investigations represent a part of the bureau's wartime investigation and development program. With the lifting of wartime censorship controls, the reports are now being made available to the public and minerals industries. These reports deal with mica and fluorspar and are as follows:—

Report of Investigations 3898, "Exploration of the Avon Mica District, Latah County, Idaho," describes an intensive exploratory project undertaken by the Bureau in 1943 to discover new deposits of this strategic mineral.

Report of Investigations 3903, "Exploration of the White Eagle Fluorspar Mine, Cooks Peak Mining District, Grant County, N. Mex.," recounts the bureau's examination of this property by diamond drilling.

Report of Investigations 3921, "Exploration of the Elk Mountain Mica Deposit, San Miguel County, N. Mex.," an account of exploration work carried on at this mica deposit in 1943.

A copy of any of the three publications may be obtained free from the Bureau of Mines, Department of the Interior, Washington 25, D. C. The publication or publications desired should be identified by number and name.

White Oils Association Organized in England

Refiners, importers, and distributors of petroleum thinners (white spirits) in England have formed the White Oils Association.

The general council of the Association, comprising three concerns in each division, is headed by H. F. Smith, of Purfinol, Ltd., as chairman. The secretary of the organization is Peat, Warwick, Mitchell & Co., 11 Ironmonger lane, London, E.C. 2.

Monsanto Bulletin Describes New Plasticizer for Resins

The Monsanto Chemical Company, St. Louis, is offering Technical Bulletin O-D-110 describing a new plasticizer still in the development stage which is designed especially for use in polyvinyl chloride, polyvinyl chloride-acetate, and polyvinyl butyral resins. The bulletin may be obtained by writing the development department of the company's organic chemicals division in St. Louis.

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Phthalate Plasticizers Allocation Data: 1944

Summaries of allocation data (based on chemical allocation records of the War Production Board) for the phthalate plasticizers are available for 1943, 1944, and the first half of 1945.

The data include all phthalate plasticizers other than diethyl phthalate, dimethylphthalate, and dibutyl phthalate which are covered by other reports in this series. In terms of volume, the phthalate plasticizers covered here account for about one-fifth of all such plasticizers. Over the two-and-one-half years for which data are available, about 1 percent was assigned to military and export uses and the remaining 99 percent was divided as follows:—46 percent for cable-lacquer and penetrants, 25 percent for textile coatings, 12 percent for cellophane and plastics, 4 percent for lacquers, 3 percent each for emulsions and for synthetic rubber, 2 percent each for adhesives and for film, and 2 percent for other miscellaneous uses. Data for the calendar year 1944 are summarized in the table below. The data represent wartime distribution with allocations permitted only for identifiable military uses and other essential requirements.

	Pounds
Allocations, total	20,029,000
Direct military[1]	.....
Export	224,000
Other uses	19,805,000
Cable-lacquer and penetrants	11,165,000
Textile coatings	4,231,000
Cellophane	1,645,000
Emulsions	770,000
Synthetic rubber	637,000
Plastics	574,000
Lacquer	353,000
Adhesives	268,000
Film	146,000
Miscellaneous uses and small orders[2]	16,000

[1] End-use data not available. Direct military allocations amounted to 2,000 pounds in 1943.
[2] Includes material offered for resale.

Plastics Society Division To Hold Exhibit Jan. 23-26

Industrialists of the low-pressure division of the Society of the Plastics Industry will hold their second conference and exhibit at the Edgewater Beach hotel, Chicago, from January 23-26, 1947. This is distinct from the National Plastics Exposition to be held May 5, also in Chicago.

The decision to hold this second conference was made in view of the many new developments in materials, products, and processes in the low-pressure field. The division plans to pattern this second convention along lines followed at the first meeting held in Chicago this year. A symposium of technical papers will be held on the first two days.

Hershey Shifts Staff In Soap Division

Cedric Blanchard, formerly manager of the soap plant of the Hershey Estates, Hershey, Pa., has been appointed operating manager of the soap and extraction division. Harold Brewer, formerly superintendent of the extraction branch, has been named operating manager for that branch.

John McCleaf has been appointed sales manager for the division, and Harold Hershey, formerly sales manager for the soap branch, has resigned to become assistant manager of the milk division of the Hershey Chocolate Corporation.

Carnauba Wax Shipments From Brazil Declined

In 1945 Brazil exported 9,432 metric tons of carnauba wax, valued at $13,521,850, according to the Servico de Estatistica of the Ministry of Finance. Exports in 1944 amounted to 11,130 tons, worth $14,911,100. The peak wartime tonnage to the United States was shipped in 1941; exports in 1945, amounting to 7,622 tons, worth $9,257,404, were only 75 percent of the volume in 1941. In January, 1946, exports of carnauba wax to the United States amounted to 150 tons, according to unofficial figures.

Trade Briefs

Goodyear Tire & Rubber Company of Canada, Ltd., subsidiary of the Akron, Ohio, firm, is spending $2,000,000 on two new plants adjoining the main factory at Toronto.

McCloskey Varnish Company has presented a gold watch to George A. Heuer, the company's Long Island representative, in recognition of his twenty-five years' service.

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Melting Range: 115-130°C.
Color: Tan-Brown.
Soluble in: Hydrocarbons, drying oils, ketones, esters, sec-butanol.
Compatible with: GR-S, oil soluble phenolics, coumarone-indene resins, polyvinyl butyral, polyvinyl chloride, methyl methacrylate, ethyl cellulose.

Available in 350-pound Fiberpaks.

Inquiries from rubber fabricators, manufacturers of paints and varnishes, and others are welcomed.

For information and samples of this synthetic resin, write:

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Oils, Fats, and Waxes

Business in oils and fats was slow last week as both producers and consumers preferred to await developments in the OPA price and control situation which may materialize August 21.

Recent trading in new crude soybean oil was active and sales were reported close to 1,000 tankcars for October-March delivery at ceilings at the time of shipment, and at the minimum of 15 cents per pound if no ceilings prevail at the time of shipment.

Controls on cottonseed and soybean oils in the manufacture of paints and other inedible products were suspended until August 21 by OPA. This action was taken in view of the recent decontrol of these oils sold for edible purposes.

Limited trading was noted in grease and tallow at ceilings. Offerings were promptly taken and additional business was turned at these levels.

Oilmeals continued easy and under selling pressure. Prices were lower for prompt and forward delivery.

An agreement with the Philippines was announced by the Department of Agriculture whereby the United States will receive all the exportable surplus of the Philippine coconut oil and copra for one year starting July 1, 1946. The Philippines government agreed to sell copra not required on the Islands at $103.50 per long ton, and coconut oil at 7⅛ cents per pound, f.o.b. ports. This will permit the importation of these products within existing ceilings. Imports of Philippine copra totaled 52,750 long tons to the United States during July, the largest total imported during any month since the end of the war. Shipments to the United States were reported at 158,045 long tons during January-July inclusive, compared with 5,979 long tons during the entire year of 1945.

Cottonseed Oil

Trading was light last week. Sales of crude oil were reported at 16¼c. per pound tankcars, f.o.b. mills, in Southeast, though consumers and producers were generally out of the market and awaited developments which may materialize after August 20. Controls on the use of cottonseed and soybean oils for inedible products were suspended August 13 by OPA until August 21. This order did not increase buying interest in these oils.

Consumption of cottonseed oil was indicated at 169,520 barrels during July, compared with 176,480 barrels in June and 158,540 barrels during July last year. Visible supply of seed and oil was estimated at 798,600 barrels against 972,700 barrels, a year ago.

Linseed Oil

While consuming inquiry was urgent last week, the scarcity of oil continued to limit activity to the delivery of small lots against former contracts. Production in this section was extremely low. One of the largest plants in the East was closed a week ago because of the lack of seed and another by labor troubles for the past two weeks.

Flaxseed production was indicated at 21,928,000 bushels as of August 1 by the Department of Agriculture, compared with the final 1945 crop of 36,638,000 bushels. Yield per acre was estimated at 8.9 bushels against 9.4 bushels last year.

Minneapolis, Aug. 14.—Demand for oil was far in excess of mills' ability to supply and while buyers continued to mill around the market the crushing trade had nothing for sale.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	5,220,000	3,660,000
Since Sept. 1	294,570,000	244,510,000

Flaxseed — Demand increased and prices were bid up to $4 per bushel, in the Northwest. Offerings were moderate.

Minneapolis, Aug. 14.—The day of the roaring 20's were recalled in the Northwest flaxseed market last week as crusher buyers went all out on a competitive basis, broke away from the $3.80 mark and bid prices 20c. higher. The price situation has been simmering for some time as one of the larger flax handlers turned into a competitive buyer of seed to supply a new small crushing unit opened up in the Minneapolis area. This additional buying from a new source was all that was needed to spark the flaxseed price situation and keen competitive buying was uncovered as mills and merchandisers engaged in a mad scramble for supplies. The situation was intensified by a shortage of boxcars to bring in the old and new crop offerings and country shippers took to trucks as the demand was far in excess of what the railroads could bring to market. Crop news was rather mixed, flax in the northerly tier of counties in North Dakota and in sections of eastern Montana suffering from lack of late Summer moisture. Replantings, made after the heavy frost, were suffering keenly from moisture lack and unless precipitation comes within a few days many acres can be written off as a total loss.

	Receipts 1945-46	Receipts 1944-45	Shipments 1945-46	Shipments 1944-45
This week	368,900	52,500	205,700	6,000
since Sept. 1	21,520,800	10,769,000	4,754,440	2,167,000

Buenos Aires, Aug. 16.—Seed shipments totaled 200,000 bushels to the Continent during the week. Total exports since January 1 were 4,958,000 bushels compared with 2,706,000 bushels for the same time last year. Visible supply was indicated at 3,150,000 bushels.

Hull, Aug. 16.—Flaxseed, Bombay, £46½ nominal, August; Calcutta, £37 nominal, August; La Plata not quoted.

Market Trends

Prices Advanced

Beeswax, Afr., crude, 2c. per lb.
Carnauba, wax, No. 3, chalky, 2c. per lb.
Carnauba wax, No. 2, N. C., 2c. per lb.
Carnauba wax, refined, 2c. per lb.
Oleo oil, 2c. per lb.

Prices Reduced

Cottonseed meal, $5 per ton.
Linseed meal, $2 per ton.
Montan wax, 2c. per lb.
Ouricury wax, crude, 4c. per lb.
Ouricury wax, refined, 4c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
204.6	203.4	216.4	193.3

(*For Current Prices see Page 9*)

Cottonseed Crush Smaller: July

Cottonseed received and crushed and production of cottonseed products from August 1 through July 31, 1946, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons 1945-46	Tons 1944-45
Receipts	[1]3,161,894	4,362,633
Crushed	3,260,708	4,254,149
On hand July 31	117,968	219,340

Crude Oil

	Pounds 1945-46	Pounds 1944-45
Produced	1,016,647,000	1,324,039,000
Shipped	1,017,597,000	1,321,352,000
On hand July 31	[2]23,498,000	55,121,000

Refined Oil

	Pounds 1945-46	Pounds 1944-45
Produced	[3]952,003,000	1,199,694,000
Shipped	.....	.....
On hand July 31	[4]263,340,000	275,625,000

Cake and Meal

	Tons 1945-46	Tons 1944-45
Produced	1,433,504	1,954,111
Shipped	1,453,378	1,929,903
On hand July 31	32,384	52,258

Hulls

	Tons 1945-46	Tons 1944-45
Produced	733,162	964,218
Shipped	819,309	987,814
On hand July 31	25,650	61,607

Linters

	Bales 1945-46	Bales 1944-45
Produced	[5]988,583	1,250,914
Shipped	971,651	1,294,258
On hand July 31	[6]35,508	18,576

[1]Includes 2,556 and 7,400 tons destroyed during 1945-46 and 1944-45, respectively. Does not include 219,340 and 118,256 tons on hand August 1, 1945 and 1944, respectively, nor 60,507 and 79,198 tons reshipped during the seasons 1945-46 and 1944-45.

[2]Includes 10,373,000 pounds at oil mills, 10,858,000 pounds at refining and manufacturing establishments and 2,262,000 pounds in transit.

[3]Produced from 1,055,735,000 pounds of crude oil.

[4]Includes 246,183,000 pounds at refining and manufacturing establishments and 17,177,000 pounds held elsewhere and in transit.

[5]Includes 260,807 bales first cut, 626,360 bales second cut and 101,390 bales mill run.

[6]Includes 20,977 bales first cut, 13,693 bales second cut and 838 bales mill run.

For Late Market Developments, See Page 4

STEARIC ACID
OLEIC ACID
(Red Oil)
DISTILLED
FATTY ACIDS
Animal
and
Vegetable
RUFATS
(Hydrogenated
Fatty Acids)
WILSON & CO. INC.
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

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Diamond Brand (Single Pressed)
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IVORY Brand (Triple Pressed)
Available in either Cake or Flake Form
red oil (oleic acid)
Ruby Oleine Brand (Distilled)
Canary Brand (very pale yellow)
especially suitable for best types of dry cleaners' soaps
PROCTER & GAMBLE
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STOCKS IN ALL LARGE CITIES

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CANDELILLA WAX
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High M. P. Substitute
GENUINE MONTANWAX
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SHELLAC Orange Bleached
332 W. 42nd St., New York 18, N.Y.
Phone: BRyant 9-5211

Emery STEARIC, OLEIC, FATTY ACIDS
Processed Under Strict Control
TO MEET SPECIFICATIONS ACCURATELY
All Grades . . . Saponified and Distilled
FATTY ACIDS • GLYCERINE • PITCH
SPECIAL FATTY ACID DERIVATIVES
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RED OIL STEARIC ACID
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(HYDREX)
Cottonseed Oil Fatty Acids
Tallow Fatty Acids
Corn Oil Fatty Acids
Specialty Fatty Acids
Glycerine — Pitch — White Oleine
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PEARL-STEARIC

A FREE-FLOWING
STEARIC ACID
IN BEAD FORM

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Measures, Weighs, Mixes
and Melts Quickly

Also
Slab Stearic Acid
Oleic Acid
Red Oil
Fatty Acids
Glycerine
Pitch—and
Special Fatty
Acids for Rubber
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(All Colors)
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PRODUCTS OF COTTONSEED, PEANUTS
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Other Vegetable Oils

Castor, Dehydrated — With three plants shut down by strikes, production continued at a standstill. Demand was exceedingly active. Prices were unchanged at ceilings.

Coconut — Trading was reported quiet. Crude and refined grades were firm at ceilings. Buying interest was lacking in view of the satisfied consumers allocations. United States will receive all exportable surplus cocoanut oil and copra from the Philippines for one year starting July 1, 1946 according to an agreement with the Philippine government it was announced by the Department of Agriculture. Exports of Philippine copra totaled 52,750 long tons to the United States, with shipments 5,500 long tons to Italy and 1,750 long tons to Norway in July. Shipments to the United States from the Philippines during January-July inclusive were 158,045 long tons and 31,632 tons to other countries, compared with 5,979 tons in 1945.

Oiticica—Conditions in the market were firm, with business quiet in view of the scarcity of supplies on spot and offerings from Brazil. Prices were strong at ceilings. Demand was brisk.

Olive—Sellers and buyers were marking time and awaited developments which may materialize August 21 in the OPA price and control situation. Supplies on spot were withdrawn from the market.

Palm—Arrivals totaled 1,255 tons at New York last week for delivery against allocations.

Peanut—An occasional tank of crude peanut oil was sold last week at 13c. f.o.b. works with the understanding that products such as cooking oil and salad oil would be returned to the crushers. No new crop trades were reported.

Rapeseed—Imports were noted at 266 drums at New York last week and were allocated to regular users.

Soybean—It was reported that close to 1,000 tankcars of new crop crude oil has been sold during the past two weeks for October-March shipment at the minimum of 15c. per pound, f.o.b. mills, if no ceilings prevails at the time of shipment, otherwise at the ceiling. Production of soybeans was estimated at 186,123,000 bushels as of August 1, by the Department of Agriculture. This compares with 191,722,000 bushels produced in 1945. Yield per acre was indicated at 19.8 bushels against 17.6 bushels last year.

Fats and Greases

Grease—Sales of moderate quantities were reported sold at ceilings early in the week, with offerings soon cleaned up and bids for additional quantities were turned down. Trading was transacted by renderers, while packers were sold up and were out of the market.

Lard—Demand continued active, but business was light owing to the scarcity of supplies. Reports from Chicago indicated a firmer market and loose lard sold at 32c. and was bid at that figure. Stocks of lard and rendered pork fat totaled 40,C36,000 pounds in the United States, August 1, compared with 34,910,000 pounds, July 1, and 79,285,000 pounds, August 1, 1945. The August 1, 5-year average was 220,663,000 pounds. Lard stocks in Chicago amounted to 3,397,659 pounds, August 15, against 3,884,650 pounds, August 1 and 9,697,242 pounds August 15, last year.

Tallow—Light trading was reported at ceilings by the small producers. Offerings, however, were readily taken and bids for additional lots were not accepted. Packers were reported sold up and not offering. Trading in edible tallow was reported at 20c. per pound for immediate delivery.

Animal Oils

Degras — Trading was light and mainly for immediate requirements. Supplies were adequate to meet the demand. Prices were fairly steady.

Grease Oil—Buyers and sellers were awaiting the developments in the OPA price situation. Makers were not offering and the market was entirely nominal.

Neatsfoot Oil—Trading was quiet. Producers were out of the market and quotations were more or less nominal.

Oleo Oil—Prices were further advanced last week. Supplies were scarce and increased to 28½c. per pound, tierces, New York basis. Inquiry was moderate.

Fish Oils

Menhaden—Business was reported at a standstill as sellers refused to offer crude or refined grades at prevailing ceilings.

Baltimore, Aug. 14. — Production of menhaden oil is on a smaller scale, compared with the record output of last month, when it topped the peak for the past fifty-three years. Weather conditions continued favorable, with the fish larger and fatter, so that the production was favorable. Producers turned down bids for crude oil at the ceiling of 8.9c. and are of the opinion that with the increased production costs, they should get higher prices for the oil. Before the new OPA bill became effective sales were reported at 11c. and 12c. per pound. Meanwhile, buyers were insisting that contract stipulations of any lowering of the price calls for readjustments.

Sardine—Reports from the Pacific coast stated that fishing was still held up last week by the refusal of fishermen to operate boats at the price of $22 per ton for the fish delivered to the canneries. Inquiry for oil was active with producers not offering.

Fatty Acids

Red Oil—Demand continued in excess of supplies. Producers were reported sold up and were not offering. Market was strong at ceilings.

Stearic Acid—Production was sold up and moved into consumption against current contracts. Demand continued urgent. Prices were firm at ceilings.

Cake and Meal

Cottonseed Meal — Recent trading practically cleaned up offerings at $90 to $100 per ton, in the Southeast. In-

—*Continued on page 79*

E. A. BROMUND COMPANY

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Carnauba Wax
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Flake or Powdered
Highest Quality

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295 MADISON AVE. NEW YORK 17, N.Y.
FACTORY: NEWARK, N.J.

Imports at U.S. Ports

—Continued from page 7

GINGER—10 bgs, Volkart Bros, Cochin
GINGER GRASS OIL—7 cs, Magnus, Mabee & Reynard, Madras
GLUE—244 bgs, Transatlantic Animal By Product Co, Fortaleza; stock, 205 bls, Darmstadt, Scott & Courtney, Vera Cruz; 177 bls, Darmstadt, Scott & Courtney, Recife; 165 bls, Milligan & Higgins; 250 bgs, Karr, Ellis & Co, Liverpool
GRAINS OF PARADISE—15 bgs, Gillespie & Co, Lagos
GREAVES—1,165 cakes, The Van Iderstein Co, Buenos Aires
GUAIAC GUM—29 cs, Schutte & Focke, Trujillo
GYPSUM—2,100 tons, Newark Plaster Co, Walton; 7,122 tons, United States Gypsum Co, Windsor; 4,750 tons, National Gypsum Co, Halifax; 3,130 tons, National Gypsum Co, Dingwall
HOREHOUND LEAVES—576 bls, I A Levy, Casablanca
IRANA—11 cs, Chicle Development Co, Manaus
IRON OXIDE—125 bbls, C K Williams & Co, Malaga; 242 bbls, 60 cks, Reichard-Coulston, Inc, Malaga; 106 bbls, 30 cks, J Lee Smith & Co, Malaga; 35 cks, 896 bgs, C J Osborn & Co, Bristol
JUNIPER BERRIES—1 cs, Dodge & Olcott Co, Trieste
KARAYA GUM—199 bgs, Wessel, Duval & Co, Bombay; 133 bgs, Jacques Wolf & Co, Bombay; 133 bgs, Frank Vliet & Co, Bombay
KOLA NUTS—204 bgs, Angus Mackey & Co, Lagos; 232 bgs, Wm Allison & Co, Lagos
KYANITE—400 tons, Golwynne Chemical Corp, Calcutta; 45 tons, Trident Traders, Inc, Calcutta
LABDANUM GUM—11 cs, Fritzsche Bros, Seville
LOCUST BEAN GUM—100 bgs, S B Penick & Co, Liverpool; 18 cs, Havre
LAVENDER OIL—3 dms, Banco Hispano Americano, Malaga
LEMONGRASS OIL—12 dms, G F Doherty Co, Cochin; 5 dms, Roure Dupont, Inc, Cochin; 24 dms, United States Rubber Co, Cochin; 60 dms, Norda Essential Oil & Chemical Co, Cochin; 29 dms, Trubeck Laboratories, Cochin; 5 dms, P R Dreyer, Cochin; 24 dms, Givaudan-Delawanna, Cochin; 22 dms, Volkart Bros, Cochin
LUBRICATING OIL—531,024 gals, Esso Oil Co, Sarnia Ontario
MAGNESITE, CALCINED—1,212 bgs, Golwynne Chemical Co, Madras
MANGANESE ORE—5,500 tons, Central Hanover Bank & Trust Co, Durban
MANGROVE BARK—2,950 bgs, Tannin Product Export Corp, Zanzibar; 4,761 bgs, Barkey Importing Co, Daressalaam
MANIOC MEAL—3,333 bgs, Advance Chemical Co, Parnaibo; 3,367 bgs, Morningstar-Nicol, Inc, Parnaibo; 6,966 bgs, Stein, Hall & Co, Parnaibo; 10,160 bgs, World Wide Development Corp, Recife; 10,000 bgs, Stein, Hall & Co, Rio de Janeiro; 2,000 bgs, Paul & Stein Bros, Porto Alegre; 20,100 bgs, Schenley Distilleries Corp, Porto Alegre; 4,000 bgs, Stein, Hall & Co, Santos; 15,000 bgs, Morningstar-Nicol, Inc, Cabedello; 1,000 bgs, Benoff Box Co, Cabedello; 1,680 bgs, American Express Co, Fortaleza; 6,000 bgs, Geismar & Co, Fortaleza; 3,988 bgs, Anasse Corp, Fortaleza; 3,360 bgs, Morningstar-Nicol, Inc, Fortaleza; 40,502 bgs, Jerome International Corp, Fortaleza; 35,000 bgs, Recife; 8,066 bgs, Fortaleza
MASSARANDUBA—91 cs, Chicle Development Co, Manaus; 32 cs, Littlejohn & Co, Manaus
MENTHOL—125 cs, Sunab Corp, Santos
METACRESOL—100 dms, Republic Chemical Co, Liverpool
MICA—215 cs, Cosmopolitan Trading Corp, Rio de Janeiro; 95 cs, 500 bgs, Asheville Mica Co, Rio de Janeiro; 82 cs, A O Schoomaker Insulation Co, Rio de Janeiro; 26 cs, Ford Radio Mica Corp, Rio de Janeiro; 1,840 cs, Eugene Munsel & Co, Calcutta; 520 cs, J F Garneau Co, Calcutta; 107 cs, Schwab Bros Co, Calcutta; 225 cs, Cornelis & Suhr, Calcutta
NAPHTHENIC ACID—2,690 bbls, Standard Oil Co N J, Pointe a Pierre; 2,400 bbls, Standard Oil Co, Aruba
NIGER GUM—51 bgs, Chicle Development Co, Lagos
NUTMEGS—5 bgs, Green Trading Co, Port Spain
NUX VOMICA—320 bgs, Volkart Bros, Cochin; 160 bgs, Volkart Bros, Calcutta; 1,162 bgs, Merck & Co, Singapore
OITICICA OIL—253 dms, Brown Linseed Corp, Recife; 369 dms, Murray Oil Product Co, Fortaleza; 397 dms, L N Jackson & Co, Fortaleza; 863 dms, Brown Linseed Co, Fortaleza; 500 dms, Brazil Oiticica, Inc, Fortaleza; 250 dms, Irving Trust Co, Rio de Janeiro; 105 dms, Enco Chemical Corp, Fortaleza
OLIBANUM GUM—15 cs, Irving Trust Co, Aden; 50 cs, Manufacturers Trust Co, Aden; 275 bgs, National City Bank, Aden
ORANGE OIL—46 cs, Citrus & Allied Essential Oil Co, Santos
ORRISROOT—112 bgs, R J Prentiss & Co, Trieste
OXGALLS—4 tcs, Wilson & Co, Buenos Aires
PALM OIL—273 tons, Balfour, Guthrie & Co, Matadi; 982 tons, Balfour, Guthrie & Co, Boma
PAPAIN—91 cs, S B Penick & Co, Mombasa; 25 cs, Raymond J Lepow, Dares Salaam
PATCHOULI OIL—115 dms, Jasius Import Corp, Singapore
PERILLA GUM—63 bls, H A Astlett & Co, Buenaventura
PETITGRAIN OIL—25 cs, Marine Midland Trust Co, Buenos Aires; 25 cs, Lentier Fils, Buenos Aires; 6 dms, Corn Exchange Bank, Buenos Aires; 10 dms, Norda Essential Oil & Chemical Co, Montevideo
PETROLEUM, CRUDE — 221,414 bbls, Standard Oil Co N J, Las Piedras; 249,287 bbls, Standard Oil Co N J, Puerto La Cruz; 75 dms, E L Wynne, Buenos Aires; 82,663 bbls, Cities Service Oil Co, Las Piedras; 109,075 bbls, Standard Oil Co N J, Cartagena
PINE OIL—2 dms, P R Dreyer, Trieste
POPPYSEED—100 bgs, Louis Furth, Inc, Rotterdam
POTASH BICARBONATE—60 cks, Hagen Corp, Havana
POTASH CHLORATE—380 cs, Dunlap, Alpers & Mott, Gothenburg; 250 bbls, E M Sergeant Pulp & Paper Co, Gothenburg
POTASH HYDROXIDE—100 cs, Bergstrom Trading Co, Gothenburg
PYRETHRUM FLOWERS—74 bls, Reconstruction Finance, San Antonio; 250 bls, United States Commercial Co, Dares Salaam; 500 bls, Dares Salaam
QUEBRACHO EXTRACT—25,582 bgs, Tannin Product Export Corp, Buenos Aires; 6,925 bgs, International Product Corp
QUICKSILVER—300 flasks, Metal Traders, Inc, Vera Cruz
RAPESEED OIL—266 dms, United States Commercial Co, Buenos Aires
ROSADINHA—51 cs, Chicle Development Co, Manaus; 33 cs, Herman Weber & Co, Manaus
ROSE LEAVES—255 bls, I A Levy, Casablanca
ROSE OIL—1 cs, 3 dms, Naugatuk Aromatics Co, Casablanca
ROSEMARY LEAVES—200 bls, Lisbon
ROSEMARY OIL—1 dm, Banca Hispano Americano, Malaga
ROSEWOOD OIL—6 dms, Dodge & Olcott Co, Manaus; 8 dms, Orbis Product Corp, Manaus; 12 dms, Robert & Co, Manaus; 21 dms, P R Dreyer, Manaus; 3 dms, Trubek Laboratories, Manaus; 2 dms, Tombarek Product Corp, Manaus
ROSIN, LIQUID—455 bbls, Guaranty Trust Co, Gothenburg
SAGE LEAVES—65 bls, R J Prentiss & Co, Trieste; oil, 3 dms, P R Dreyer, Trieste
SAGO FLOUR—835 bgs, Morningstar Nicol, Inc, Singapore
SANDALWOOD—134 pkgs, Volkart Bros, Cochin; oil, 8 cs, Volkart Bros, Madras
SARSAPARILLA ROOT—3 bls, Vera Cruz
SEEDLAC—350 bgs, Public National Bank, Calcutta; 1,000 bgs, Mac Lac Co, Calcutta
SHARK LIVERS—10 dms, Cuban American Products Co, Havana; 1 bbl, International Fisheries Corp, Tampico; 20 dms, Public National Bank, Havana
SHELLAC—150 bgs, Schwab Bros Corp, Calcutta; 300 bgs, Public National Bank, Calcutta; 85 bgs, Wm Zinsser & Co, Calcutta
SODA CHLORATE—714 dms, International Selling Corp, Havre
SODA HYDROXIDE—100 cs, Bergstrom Trading Co, Gothenburg
SORVA—66 cs, H A Astlett & Co, Belem; 1,333 cs, Chicle Development Co, Belem; 1,127 cs, Otis Astoria Co, Belem; 102 cs, Earle Bros, Belem; 51 cs, Herman Weber & Co, Belem
STRAMONIUM LEAVES—52 bls, R J Prentiss & Co, Buenos Aires
STRONTIUM OXIDE—405 tons, 13 cwt, E I Du Pont de Nemours & Co, Bristol
TANKAGE—906 bgs, Swift & Co, Buenos Aires; liver, 1,798 bgs, International Commercial Co, Buenos Aires; 1,200 bgs, Buenos Aires; 2,000 bgs, Rio de Janeiro
TAPIOCA FLOUR — 8,000 bgs, National Starch Product, Inc, Puerto Plata; 2,000 bgs, Meradinth, Simmons & Co, Puerto Plata; 2,600 bgs, Perkins Glue Co, Puerto Plata; 3,000 bgs, Manhattan Paste & Glue Co, Puerto Plata; 600 bgs, Stein, Hall & Co, Puerto Plata; 1,600 bgs, Le Pages, Inc, Puerto Plata; 1,600 bgs, Arabol Mfg Co, Puerto Plata; 200 bgs, W N Farrington, Puerto Plata; 600 bgs, Arnold Hoffman & Co, Puerto Plata; 600 bgs, Hayes & Co, Puerto Plata; 600 bgs, Adhesive Co, Puerto Plata; 600 bgs, Morningstar-Nicol, Inc, Puerto Plata; 2,550 bgs, Stein, Hall & Co, Fortaleza; 100 bgs, Morningstar Nicol, Inc, Fortaleza
TARA PODS—230 bgs, H Hollander, Salaverry; powder, 268 bgs, Asher, Kates & Co, Salaverry
TARRAGON—8 bls, Peek & Velsor, Trieste
TARTAR—2,276 bgs, Commodity Credit Corp, Bordeaux
THALLIUM SULPHATE — 4 cs, Harman Lichtenstein, Antwerp
TIMBO ROOT—71 bls, S B Penick & Co, Manaus
TONKA BEANS—28 bbls, H E Botzow, Inc, Para; 80 bbls, Machado & Co, Para
TUCUM KERNELS—3,077 bgs, E F Drew & Co, Parnaibo
TUNGSTEN ORE—908 bgs, W R Grace & Co, Caledello
TURMERIC—220 bgs, C T Wilson & Co, Cochin; 160 bgs, Becker-Mayer Seed Co, Cochin; 398 bgs, W E Martin & Co, Cochin; 182 bgs, Otto Gerdau Co, Cochin; 56 bgs, Frank Tea & Spice Co, Madras
VANILLA BEANS—6 cs, Brazilian Warrent Co, Inc, Mombasa; 105 cs, J Henry Schroeder Banking Corp, Durban; 188 cs, Thurston & Braidich, Durban; 430 cs, J Manheimer
WATTLE BARK—5,559 bls, Hammond & Carpenter, Durban; extract, 4,074 bgs, Bank of New York, Durban; 6,126 bgs, American Cyanamid & Chemical Corp, Durban; 3,053 bgs, Tannin Product Export Corp, Durban; 1,019 bgs, M S Kattenhorn & Co, Durban
WHITING—4,000 bgs, Nicholas H Weitzner, Antwerp

Baltimore

CARAWAY SEED—300 bgs, W G Scarlett & Co, Rotterdam

Boston

BONES—3,048 bgs, Buenos Aires
GLUE, BONE—210 bgs, First National Bank, Santos
GLUESTOCK—421 bls, First National Bank, Havana; 88 bls, J Garvers, Rio de Janeiro; 47 bls, Buenos Aires
CASEIN—5,000 bgs, T M Duche & Sons, Buenos Aires
GLYCERIN—50 dms, First National Bank, Antwerp
HERRING OIL—200 dms, First National Bank, Oslo
MANIOC MEAL—1,666 bgs, H F R Dolan, Parnaibo
OSSENIE—349 bgs, Atlantic Gelatine Co, Antwerp
QUEBRACHO EXTRACT—7,301 bgs, Tannin Product Export Corp, Buenos Aires
TANKAGE, LIVER—1,500 bgs, Buenos Aires
THALLIUM SULPHATE — 3 cs, Foote Mineral Co, Antwerp
WHITING—500 bgs, Wesco Water Paint, Inc, Antwerp; 200 bgs, Nicholas H Weitzner, Antwerp

Chicago

GREAVES—1,165 cakes, Riverdale Products Co, Buenos Aires

Norfolk

QUEBRACHO EXTRACT—750 bgs, International Products Corp, Buenos Aires; 4,130 bgs, C M Loeb Rhoades & Co, Buenos Aires; 7,806 bgs, Tannin Product Export Co, Buenos Aires

Philadelphia

BONES—1,499 bgs, Baugh & Sons, Buenos Aires
CRESYLIC ACID—249 dms, J H Faunce, Inc, Liverpool; 50 dms, T G Cooper & Co, Liverpool
GLYCERIN—189 dms, Grace National Bank, Montevideo
PEATMOSS—950 bls, Carl Gastmeyer, Inc, Rotterdam
POPPYSEED—100 bgs, R T French Co, Rotterdam
RAPESEED—1,625 bgs, R T French Co, Montevideo
VANILLA BEANS—50 cs, Zink & Triest, Durban; 129 cs, Camax Co, Durban

Rochester

ULTRAMARINE BLUE—80 cks, R T French Co, Liverpool

San Francisco

OITICICA OIL—168 dms, S L Jones & Co, Fortaleza
PEPPER, BLACK—59 bgs, Willits & Co, Liverpool

AKUSAKA WAX
replacement for Japan Wax
CORUMBU WAX
replacement for Carnauba Wax
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Our regular lines of crude and semi-refined coconut oil in tank car or drum quantities are now supplemented by these fatty acids, the result of over half a century of experience and research in the largest coconut oil mill in the country.
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FIRST

TURN TO

Pages 17-18

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MACHINERY OFFERINGS

- 1 Fletcher 40" Centrifugal Extractor with Plow, Unloader and 15 H.P. Motor.
- 1 Pneumatic Scale Straight Line Automatic Labeler.
- 3 Food Mach. Corp.—Stainless Hand Pack Fillers, complete.
- 2 Swenson-Walker, 24" x 30', Continuous Crystallizers.
- 1 Badger Copper Concentrator, 2,500 lbs. per hour.
- 1 Eimco 4'x2' Vacuum Filter, 25 sq. ft.
- 2 Stokes Semi and Automatic Paste Fillers.
- 2 Kiefer Piston-Type Visco Fillers.
- 2 Stokes & Smith Auger Fillers G1 and G 75.

•

Exhibiting at Booth N-6 at the National Chemical Exposition at the Coliseum Sept. 10th to 14th, Chicago.

•

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Your Surplus Equipment

FIRST MACHINERY CORP.

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SEPT. 10-14 *inclusive*

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● *America looks to PRODUCTION to help solve price problems — Industry looks to "CONSOLIDATED" for production machinery. WHAT HAVE YOU IDLE?*

SEND US YOUR LIST TODAY

Special Items from Stock

ALUMINUM

VACUUM STILLS, KETTLES, TANKS

3—Closed Jack. agitated Kettles with coils; 1—1,200 gal., 1—900 gal.
1—1,200 gal. closed jack. Kettle or Vacuum Still.
8—Closed jack. agitated Kettles or Vacuum Stills.
1—250 gal. Copper jack. agit. closed Kettles or Vac. Stills.
1—350 gal. closed jack. agit. Kettle.
1—100 gal. open Tank.
28—350 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 40" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP, ⅛" PLATE.

CRYSTALLIZERS VACUUM PAN DRYERS

4—Buflovak 6' dia. Jacketed Vacuum Pan Dryers or Crystallizers—also two of atmospheric type, same size, also jacketed and agitated—300 gallons capacity—cast iron—jackets cast integral with shells.
7—Swenson-Walker Continuous Steel Jacketed Crystallizers, Mixers or Dryers, each made up of four 24"x26"x10' long sections with heavy spiral ribbon agitators. Each unit with worm gear speed reducer.

1—Colton No. 14 FULLY AUTOMATIC TUBE FILLER, Closer and Clipping Machine.
1—Colton No. 3 TUBE CLOSER, and CLIP FASTENER.
1—Pneumatic Scale six head fully automatic Capping Machine.
3—W & P MIXERS, 150 gallon capacity, 100 gallon working capacity, size 15, style VI, type BB, equipped with sigma blades.
2—Stokes Hand Tube Fillers.
2—Colton Hand Tube Fillers.
4—Hand Closers and Crimpers.

GEAR REDUCERS and MIXERS

58—Phila. type HVT, Class 1, size 1100, GEAR REDUCERS, ratio 88 to 1, horsepower 16.7 at 1750 RPM.
37—Phila. MOTO-REDUCERS, with 2 HP 2 speed, totally enclosed, fan cooled and explosion-proof motors. Vertical; Output speed 87 and 29 RPM at HP 2/.67.
16—Eastern Engrg. Vertical MIXERS, 3 HP, explosion-proof motors, output speed 225 RPM.

JUST PURCHASED
Chemical Perfume Plant

6—Copper Steam Jacketed Agitated Kettles, 200 and 100 gal.
4—All Copper Vacuum Pans, 275 gal., 250 gal., 60 gal., 50 gal., with Condensers.
3—Copper Jacketed Evaporating Pans, 60 gal. and 25 gal.

DRYERS

1—Devine VACUUM SHELF DRYER, 14 shelves, 40x43; also 10-SHELF DRYER, Complete.
3—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYERS complete.
1—32"x72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYER, m.d.
2—Direct heat ROTARY DRYERS; 5'x30', 6'x35'.
1—ROTARY KILN, 6'x60'.
6—ROTARY VACUUM DRYERS; 1—Devine, 5'x30'; 3—Devine, 4'x25'; 1—Devine, 4'x30'; 1—Struthers Wells, 30"x12'.
1—6'x35' Louisville Direct Heat single shell Rotary Dryer.
2—8'x50' Direct Heat Rotary Dryers.
1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.
2—6'x28' Rotary Steam Tube Dryers.

Only a partial listing. Space does not permit listing all items. Send us your inquiries.

1—50 gal. STAINLESS STEEL VACUUM MIXER, J. H. Day Co. "Imperial" type, size 20, heavy duty, steam jacketed, double sigma blades, geared both ends, power tilting, enclosed silent chain drive from and incl. 25 HP 3-60-220 motor.

7—BAKER-PERKINS, size 15, style VI, class BB, steam jacketed sigma blade MIXERS, 150 gallons capacity, 100 gallons working capacity. Each equipped with Hydraulic Tilting devices. These mixers are new, unused.
2—Weeks McDonald straight line fully automatic LABELERS, motor driven.
1—Karl Kiefer No. 2 Visco FILLER, piston type, to fill 4 oz. to 32 oz., motor driven.
5—World and Ermold semi-automatic Labeling Machines, MD.
2—Rotary Cutters, Robinson and Howes, 24", 30" blades.
1—Depp 500 gallon Jacketed KETTLE.
1—J. H. Day auger FILLER, motor driven.
12—250 gallon STAINLESS STEEL TANKS.
Approximately 1,000 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

MISCELLANEOUS

4—Raymond PULVERIZERS — 4-Roll High Side; Nos. 00, 0000, 45, 55 and 70.
7—Hardinge CONICAL MILLS; 8'x 30", 6'x36", 3'x8", silex lined; 8'x36", 6'x22", 5'x22" and 3'x8", iron lined.
6—ATTRITION MILLS, Bauer and Robinson, 22", 24", 30", 36"—motor driven.
12—Vibrating SCREENS; four 3'x9' Sturtevant 2-deck all-enclosed; six 3'x5', 4'x5' 1-deck Tyler Hummers; Tyler Rotap; Abbe No. 2 Bluttergoss.
1—Size 42" Vertical ROCK EMERY MILL, Shop No. 1106, Sturtevant Mill Co., Boston, with enclosed silent chain drive and 40 HP 3-60-440 motor.

WANTED— YOUR IDLE MACHINES

Help Create these JOBS. Send your list NOW to "CONSOLIDATED"

THE KEY TO SAVING TIME AND MONEY

CONSOLIDATED PRODUCTS COMPANY, INC.

FOR OVER A QUARTER CENTURY A SYMBOL OF CONFIDENCE

WE BUY FROM SINGLE ITEMS TO COMPLETE PLANTS

"Every Machine in Your Plant is a Used Machine"

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Cable Address: Equipment, N. Y

IN STOCK!

1—Stokes Rotary Tablet Machine, DDS2, 1 3/16" dia., motor driven.
7—Stokes Rotary Tablet Machine, D3 and D4, 31/32" dia., motor driven.
10—Colton, Stokes Single Punch Tablet Machines, up to ¾".
1—Mulford Single Punch Tablet Machine, 1¼" dia.

1—Abbe 150 gal. Porcelain Lined Pebble Mill.
1—Abbe 5"x12" Three Roll Mill, motor driven.
1—Abbe 10 Jar Mill, motor driven.
2—American 16"x40" Three Roll Mills, 20 HP motors.
1—Ross 12"x30" High Speed 3 Roll Mill.
1—Schutz O'Neill 16" Ball Bearing Style "D" Limited Mill.
1—Hardinge Ball Mill, 2'3".
3—Pebble Mills, 100, 150 gal.
1—Williams No. 1 Hammer Mill.
1—Day 18" Pressure Type Ointment Mill.
1—Fitzpatrick Model "D" Comminuting Machine.
3—Mikro Pulverizers, 1SH, 5 HP motors.

1—Lab. Devine Vacuum Shelf Dryer, with condenser.
2—Rotary Vacuum Dryers, 1½'x 3½', 4'x15'.
2—6' Buflovak Vacuum Crystallizers, complete.
1—6'x27'6" Rotary Steam Tube Dryer.
3—Buflovak Vacuum Drum Dryers, 24"x20", 48"x40", 5'x6'.
4—Atmos. Drum Dryers, 4'x9,, 5'x 6', 6'x12', 29"x60".
5—Rotary Dryers, 4'x20' to 7½'x 70'.
1—7½'x135' Rotary Kiln.

1—12"x12" C. I. Filter Press, washing type, closed delivery.
1—18"x18" C. I. Filter Press, washing type, closed delivery.
1—Lab. Vallez Filter.
1—American 6' 2 Disc Rotary Continuous Filter.
6—Oliver 8'x6' Rotary Hopper Dewaterers, New.
6—Shriver, Sperry Filter Presses, 12", 18", 24", 30", 32", 36".
5—Shriver. Wood Filter Press Skeletons, 24" to 42".

4—Sharples No. 6 Centrifuges, open and Pressurtite.
3—De Laval No. 300, 600, 700 Clarifiers.
1—Tolhurst 40" Suspended type Bottom Discharge Centrifugal, solid basket, motor driven.
5—Tolhurst 30", 40", 48" Self-Balancing Type Centrifugals.
1—Tolhurst 40" Suspended Type Centrifugal.

1—Pfaudler Nickel Jacketed Kettle, 287 gal.
3—Stainless Steel Jacketed Kettles, 100, 150, 300 gal. New.
10—Brand New Stainless Steel Tanks, 100, 200, 300, 500 gal.
2—Stainless Steel Tanks, 268 gal.
6—Pfaudler Jktd. Agte. Kettles, 100, 125, 200 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
1—60 gal. Cast Semi-Steel Autoclave, agitated. 3" wall.
2—Zaremba All Copper Evaporators, 500 sq. ft. each effect.
5—Copper Vacuum Pans, 42", 5' dia.

8—Tyler Ro-Tap Sieve Shakers.
3—Abbe No. 00, 1 and 2 Bluteregg Sifters.
3—Tyler Hummer Screens, 3'x5', 4'x5'.

1—W. & P. 20 gal. Stainless Steel Mixer.
5—New Powder Mixers, 1,200 lg.
1—Readco 100 gal. Jacketed Heavy Duty Double Arm Mixer.
1—New Era 100 gal. Double Arm Jacketed Mixer, motor driven.

2—Knapp Automatic Can Labelers.
1—Colton No. 2 Combination Tube Filler and Closer.
1—Filler Machine Co. 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World Ermold Labelers.
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
17—Bucket Elevators, from 12' to 50' high, steel housing.

1—Anderson No. 2 Moisture Expeller.
1—Schaeffer Poidometer, 20"x4'.

Partial List only. Your inquiries solicited. Send us your lists of surplus equipment.

BRILL
Equipment Co.
225 WEST 34th STREET
NEW YORK 1, N.Y.
BRyant 9-2040
Warehouse—2401 3rd Ave., Bronx, N.Y.

MILLS

1—J.H. Day 16"x 40" Three Roller Mill—Slow Speed.

1—Lehman 12"x 30" Three Roller Mill—High Speed.

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE., NEWARK 5, N.J.
Phone: Mitchell 2-3536

11—Sharples No. 5A Stainless Oil Purifiers, latest type, 2 H.P. Motor Driven.
2—Batteries (6 & 9) Tolhurst 40" Suspended Type Centrifugals, Motor Driven, Bottom Discharge.

1—Chrystie 80'x45' Rot. Dryer.
3—Oliver Rotary Vac. Filters, 8'x 10' and 5'x6'.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 3'x8" Conical Ball Mill.
1—Gayco 3' Centrif Air Separator, motor driven.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal Double Arm Mixer, 2 H.P. motor.
1—Sharples No. 6 Centrifuge, 2 H.P.
1—Hammer Mill, 7½ H.P.
1—Jeffrey No. 4 Single Deck Conveyor Screen.
1—Adamson 6" Extruder.
25—New stainless Steel Tanks, 100 to 1,000 gals.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec
4—Pony Mixers, 15 and 40 gals.
500-ft. Ball Bearing Roller Conveyor, 12" wide.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
5—0000 and No. 0 Raymond Mills.
1—Bonnot 27" dia. Iron Filter Press.
10—Closed Steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—200 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 250 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel mixing Tanks.
1—Blystone 2,000 lb. horiz. Paddle Type Steel Mixer.
6—Horizontal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. Spiral Mixer.
2—4,000 gal. Acid Proof Tanks.
1—Stokes No. 149B, 9"x9" Vac. Pump.
2—Devine Horiz. Vac. Pumps. 8"x6"x4"x6".
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless Steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 201.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders up to 72".
1—Ross 16"x40", 3 Roll Mill.
3—Double Stand Steel 4 Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 75 gals.
3—Copper Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neal 20" Pulverizer.
2—Double Roll Crushers
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

APPROVED DEALER
WAR ASSETS CORP.

Write for Complete Bulletins
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STEIN EQUIPMENT COMPANY
Department E
436 BROOME ST., NEW YORK 13, N.Y.
CANAL 6-2147

Oils, Fats, and Waxes

—Continued from page 76

quiry was light with bids reported at $90 per ton.

Linseed Meal — Interest in meal slackened with buyers preferring to wait the possible rollback to former ceilings. Meal was offered at $85 per ton in the West with few takers.

Minneapolis, Aug. 14.—Meal was a drug on the market as the week ended, crushers offered at $80 per ton, bulk, without attracting any takers.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week.....	7,200,000	2,400,000
Since Sept. 1.....	22,620,000	7,680,000

Peanut Meal—Harvesting of the 1946 peanut crop is becoming more general over most of the Southeast area.

Soybean Meal—Several of the New England tobacco fertilizer manufacturers, as well as a few in the Southeast, are showing interest in new crop soybean meal on the basis of $80 bulk, with some trades being consummated with soybean producers. In general, though, the $80 price is too high for most buyers.

Waxes

Beeswax — Consuming inquiry was active and with supplies low on the spot, the market developed a stronger tone. Shipments of African crude were firmer and closely held. This grade on the spot was advanced to 55c. to 57c. per pound, depending upon quantity and seller.

Carnauba—While trading was light and spasmodic, the market retained a firm tone for spot and forward delivery. Stocks on the spot was limited and crude grades were advanced 2c. per pound. Yellow grades were scarce and strong at former levels. Advices from Brazil stated that European buyers were bidding for supplies. Market there continued firm for prompt and forward shipment, with offerings scanty.

Montan—Trading was said to be quiet. Spot stocks were quoted at 53c. to 56c. per pound, depending upon quantity.

Ouricury—Buying interest continued slow and market was easier under increased selling pressure. Prices were lower. Crude was quoted at 99c. to $1 and refined at $1.16 to $1.18 per pound, as to quantity, on the spot.

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

50—Closed, Aluminum, Rubber-Lined Tanks, 441 gals. capacity.

1—High Chrome Iron Tank, 6'x 30', ¼" plate.
1—Pfaudler Glass-Lined Storage Tank, 2,000 gals.
1—Pfaudler Glass-Lined Tank, Stainless Steel Agitator, 1/3 HP Motor, 500 gals.
1—Stainless Steel Holding Tank, 6 Compartments, 1,200 gals.
1—Nickel Jacketed Kettle, 400 gals.
10—Steel Brick-Lined Digestors, 6'x 20'.
10—Sharples Super-Pressurite Centrifuges, 3 HP Motors.
3—Buffalo Vacuum Dryers, 3'2"x 4'6", 5'10"x10'.
1—Shriver Iron Closed Delivery Filter Press, 24"x24".
1—Shriver Rubber-Lined Closed Delivery Filter Press, 12"x12".

R. GELB & SONS, INC.
Est. 1886 UNION, N. J. UNionville 2-4900

FOR SALE

1—1,800 gal. agitated steel Mash Tub.
1—4 x 6' Atmospheric Drum Dryer.
1—Raymond 0000 Imp. Mill.
2—Tolhurst Centrifugals, 40" and 28".
1—No. 10 Day Imperial Mixer.
10—(New) 250 gal. closed Aluminum Tanks.
2—1,000 gal. closed Lead Lined Tanks.
2—3-roll Mills: 16x40 and 12x30".
1—6' Buflovak Vacuum Crystallizer.
4—Portable Elevators—500 and 1,000 lb.
4—60 and 100 gal. stain. Steel Kettles.
1—U. S. 10-spout hard rubber Filler.
1—No. 600 De Laval Clarifier.
5—100 gal. Steel Tanks with agitators.
4—Water Stills: 10 and 25 G.P.H.
1—300 gal. jac. sp. Glass-lined Tank.

What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave., Chicago 22, Ill.

Will Buy
surplus lots new or used
Steel Drums
NEWARK STEEL DRUM CO.
LINDEN, N. J.
C. J. Colville, Pres. Linden 2-4466

EQUIPMENT
For Your Immediate Use

2—Sprague Sells 4 stage and 6 stage can fillers.
2—U. S. and Karl Kiefer 60 and 72 spout bottle washers.
1—Scott automatic weigher and filler.
1—U. S. Bottlers 350 cup washer and dryer.
2—Tolhursts 36 and 40 extractors, perforated baskets.
1—Blaw Knox 125 gallon high pressure autoclave.
5—New 1,000-2,000 lb. powder mixers.
3—O & J automatic labelers.
1—Weeks McDonald back and front automatic labeler.
2—Williams and Greundler grinders model C.
5—U. S. Alsop Ertel siphon fillers.
Misc. Hammermills, Conveyors, Portable Agitators, Pumps

SEND US YOUR SURPLUS LIST OF EQUIPMENT

Chemical & Process Machinery Corp.
146-8 Grand Street New York 13, N.Y.
Tel. WOrth 4-4133

SPECIALS!

40—Jacketed Kettles, 80 gal., Aluminum and Stainless Steel.
6—Copper Jacketed Kettles, 25 to 400 gal.
1—KIEFER Rotary Gear Visco Filler, Bronze Head.
1—DEVINE No. 9 Vac. Shelf Dryer, 13 Shelves, 40"x43".
1—STOKES Atmos. Dryer, 24"x48" Double Drum, 100 lbs. W.P.
1—BUFFALO Foundry Bronze Drum Dryer, 24"x20".
1—DEVINE Vacuum Pump, 186 C.f.m.
1—DEVINE Surface Condenser, 400 sq. ft.
1—W & P Jacketed Mixer, 20 gal. capacity.
1—W & P Jacketed Mixer, ¼ gal.
1—DAY Brighton 20 gal. Mixer, Monel Cans.
1—ROSS M.D. Pony Mixer, 8 gal.
1—WATSON STILLMAN Hydraulic Press, 12"x12", with M.D. Pump.
1—COLTON No. 4½ Single Punch Tablet Machine.

What have you for sale?

Send for Bulletin SA-7

MACHINERY & EQUIPMENT CORPORATION (of N.Y.)
533 West Broadway New York 12, N.Y.
GRamercy 5-6699

FOR SALE

Stainless Steel Tanks—new—100 and 200 gal., dished bottoms with stands.
9—New Stainless Steel Jacketed Kettles, 30 and 40 gals capacity; 2 100 gal.
Steam Jacketed Kettle, 9' dia. x 5' deep, with agitator (new).
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
New Elec. Immersion Heaters, stainless.
Copper Tank with agitator and coil, 66" dia. x 7' high.
2—International Centrifuges, size 3, Type FS, Stainless Steel with Motors.
Shriver Filter, 24" open del., all iron.
1—18 spout Karl Kiefer Rotary Filler.
10—new Sharpless Oil Purifiers.
6—DeLaval 7mo Pumps, 2" suc., 2" disch. (new).
Stainless Steel, Milton-Roy, Pumps (new) with G.E. Explosion-Proof Motors.

SPECIAL
20—new Sterilizers or Pressure Cookers, 18"x18", with 3-burner gasoline stoves.

H. LOEB & SON
4643 LANCASTER AVENUE PHILADELPHIA 31, PA.

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

AGENCIES OFFERED

Eastern Territorial distributorship. Progressive line of varnishes, technical enamels waterproofing, floor wax, cleaners, sealers and allied specialties with growing concern with plant in New England. A real opportunity for man with some capital and some familiarity in this field. OPD 904.

Manufacturer's representative wanted by manufacturer of premium quality high pressure stainless steel pipe fittings. State territory regularly covered, present lines, etc. OPD 926.

AGENCIES WANTED

Distributor of chemical products is interested in representing American manufacturers of fatty alcohol and sulphated fatty alcohols for export to England and Continent. Party maintains London office and can direct Continental sales from London. OPD 894.

EQUIPMENT OFFERED

For sale: slightly used four eyed closed delivery washing type 24 in. square aluminum filter press, with 18 plates and a set of stainless steel perforated screens all in perfect condition. OPD 915.

For Sale: Sharples No. 6 supercentrifuge, type M4P1E, with direct motor drive, 3 phase, 60 cycle, 220 volt. Perfect condition. Clean. Gypsy Paint & Varnish Co., 529 Columbia street, Brooklyn, N. Y.

For Sale: Filter press. Eimco vacuum filter set up unit. All copper lined. Brand new—never used. Concentrator—Badger long tubed calandria concentrator with copper barometric condenser and Worthington ejector. Excellent condition. OPD 948.

Labelers For Sale: 1-Weeks McDonald front and back. 3-0 & J fully automatic. 10-World, Ermold and National semi-automatic. Chemical & Process Machinery Corp., 146 Grand Street, New York City, Worth 4-8130.

For Sale: 7 aluminum and stainless steel kettles, steam-jacketed, 80 gal.; also other items. OPD 949.

FACILITIES OFFERED

Wide variety of liquid mixtures recovered at nominal cost for drum and tank car lots. We handle simple and difficultly-separable mixtures. We are also interested in purchase of all types of crude mixtures. Inquiries solicited. All replies treated in strictest confidence. OPD 907.

INVESTMENT OFFERED

Manufacturing business, wanted. Returned veteran with $50,000 to invest wants to purchase controlling interest in small pharmaceutical or cosmetic manufacturing business. Current profts not as important as fundamental soundness and future prospects. Must stand rigid investigation. Replies treated in confidence. OPD 906.

INVESTMENT WANTED

Chemical manufacturing plant, already in production of fine organics. Capital needed for expansion. Partnership available, $8,000. Solvent, good rating. OPD 941.

MATERIALS OFFERED

Ethyl cellulose sheet scrap: Approx. 3800 pounds of clean, clear and transparent small pieces and trimmings. Suitable for hot melt adhesives or protective coating solutions. Make us your best offer. Sample on request. OPD 937.

MATERIALS WANTED

To manufacturers and jobbers: Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 920.

PLANT WANTED

Pharmaceutical plant wanted, one with facilities for utilizing animal glands. Send full details. OPD 950.

POSITIONS VACANT

Lacquer and synthetic chemist for well established company. Able to formulate and develop new products. Real future for experienced capable man. Write or phone. Standard Coating Company. 455 Broad Avenue, Ridgefield, N. J. Chickerson 4-4330.

Paint and varnish chemist: Medium size, well-known and progressive Eastern manufacturer has a really good opportunity to offer for a man who has general all-around experience with shelf goods, varnishes and industrials. Excellent salary and bonus arrangement. Rest assured your replies will be held strictly confidential. Our employees know of this ad. OPD 916.

Lacquer Chemist with broad formulating background and research ability wanted by eastern manufacturer. Knowledge of synthetic enamels desirable. Excellent opportunity for high calibre man. In reply give age, references, salary expected, and summary of past experience. Enclose photograph if available. Replies confidential. OPD 943.

POSITIONS VACANT

Wanted Salesman, experienced in selling oils, fatty acids, and chemicals to soap, pharmaceutical, cosmetic, textile specialty and other industries in metropolitan area. Please write, sending detailed information. OPD 951.

Salesman for old established firm selling spices and edible seeds. We furnish transportation and pay all traveling expenses. Starting salary $3,500 per year. Good chance for advancement. No previous experience in our lines required. Confidential. OPD 952.

POSITIONS WANTED

Chemists, chemical engineers, pharmacists, biologists and pharmacologists, and for executives and production managers in the chemical and related industries, phone COrtland 7-9650 or write Chemical Department, Position Securing Bureau (Agency), 45 John street, New York.

Technical sales representative: capable young resin and coating chemist with excellent sales engineering experience available for technical sales position. Now employed as chief chemist for industrial firm. High earnings indicative of unusual ability. Metropolitan New York area preferred. OPD 924.

Chemist, B.S., 1935, experience in lacquers, synthetics, marine and maintenance paints, and production methods. Desires responsible position with progressive organization in metropolitan New York area. OPD 942.

Chemical Executive, Ph.D., engineer, M. I. T., research, production, 13 years supervisory experience in new product development, customer problems, plant design, technical sales, production of synthetic resins and organics, adhesives, coatings, oil-waxes, emulsions, detergents. Can manage research, production, sales engineering. Will consider part or full time service. OPD 944.

Part time service offered by research chemist for problems dealing with emulsions, protective coatings and adhesives. All work strictly confidential. OPD 945.

If you manufacture your own vehicles, I can help you. Wandering consulting chemist experienced in alkyds, phenolics and ureas, wants more new cities to visit. Want $75.00 first week—$125.00 for each additional week. OPD 947.

SERVICES OFFERED

New and modern equipment for quantity tube filling, also powder and liquids; the production of all types of tablets, expert coating. Two research laboratories, to handle all phases of chemical and biological assays, testing of materials, etc. Contract work a specialty. Lanteen Medical Laboratories, Inc., 900 N Franklin street, Chicago 10, Ill.

Want to swap know-how with other experienced resin chemists. Can match about half of alkyd, phenolic and urea coatings now on market. Want to know other half. OPD 946.

Calif. Texas Oil Tenants Fight Eviction Notice

Tenants of a building at 6 E. Forty-fifth street, New York, have hired an attorney to fight eviction proceedings brought against them by the California Texas Oil Company, which recently purchased the building.

Professional Services

Analysis—Testing—Patents Formulations—Trademarks

(For further details see listings in OPD Green Book.)

Jerome Alexander
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Per Share	5.45	7.20

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Per share	1.70	.85

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Net Income	3,576,763	7,641,238
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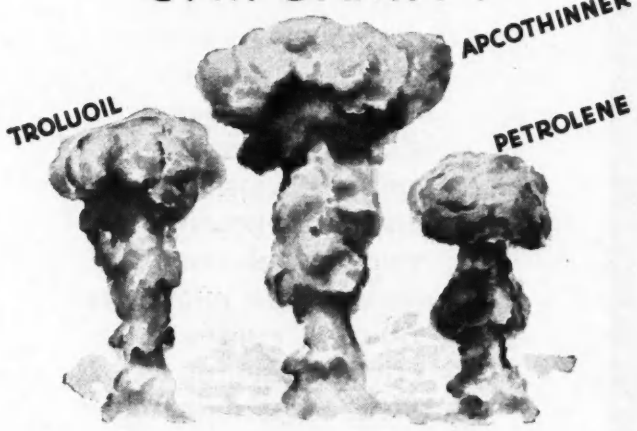

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